

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083118\
 Data File : VX004328.D
 Acq On : 31 Aug 2018 15:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:10:35 PM

Quant Time: Sep 01 04:55:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	236889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	345398	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	323389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212094	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	158639	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
35) Dibromofluoromethane	5.50	113	134094	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
50) Toluene-d8	8.71	98	490839	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.14	95	186258	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	109642	39.96	ug/l	96
3) Chloromethane	1.32	50	144569	47.69	ug/l	99
4) Vinyl Chloride	1.40	62	142959	46.06	ug/l	99
5) Bromomethane	1.63	94	71375	46.51	ug/l	99
6) Chloroethane	1.71	64	100593	45.51	ug/l	98
7) Trichlorofluoromethane	1.92	101	183136	43.06	ug/l	95
8) Diethyl Ether	2.18	74	95804	52.60	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	107656	40.41	ug/l	100
10) Methyl Iodide	2.51	142	135108	45.37	ug/l	99
11) Tert butyl alcohol	3.07	59	182725	277.63	ug/l	100
12) 1,1-Dichloroethene	2.37	96	113382	45.18	ug/l	98
13) Acrolein	2.29	56	114069	718.90	ug/l	97
14) Allyl chloride	2.72	41	234624	50.89	ug/l	97
15) Acrylonitrile	3.15	53	451331	276.90	ug/l	100
16) Acetone	2.45	43	361786	288.28	ug/l	99
17) Carbon Disulfide	2.56	76	282409	40.67	ug/l	99
18) Methyl Acetate	2.78	43	310587	67.79	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	439977	53.20	ug/l	97
20) Methylene Chloride	2.85	84	148184	49.86	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	127740	45.99	ug/l	97
22) Diisopropyl ether	3.87	45	446373	51.85	ug/l	97
23) Vinyl Acetate	3.82	43	1785199	255.85	ug/l	99
24) 1,1-Dichloroethane	3.69	63	259078	51.64	ug/l	99
25) 2-Butanone	4.70	43	582998	282.16	ug/l	100
26) 1,2-Dichloropropane	4.58	77	174807	44.42	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	155792	49.45	ug/l	98
28) Bromochloromethane	5.01	49	124001	55.83	ug/l	98
29) Tetrahydrofuran	5.15	42	372203	280.58	ug/l	99
30) Chloroform	5.21	83	259556	51.60	ug/l	97
31) Cyclohexane	5.57	56	176379	40.75	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	203141	48.43	ug/l	99
36) 1,1-Dichloropropene	5.79	75	175076	45.09	ug/l	99
37) Ethyl Acetate	4.85	43	207221	54.26	ug/l	100
38) Carbon Tetrachloride	5.77	117	171567	46.97	ug/l	97

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	175982	39.69	ug/l	99
40) Benzene	6.14	78	585105	50.43	ug/l	99
41) Methacrylonitrile	5.06	41	123099	55.61	ug/l	100
42) 1,2-Dichloroethane	6.20	62	204499	51.67	ug/l	100
43) Isopropyl Acetate	6.46	43	316172	53.88	ug/l	99
44) Trichloroethene	7.21	130	152309	47.42	ug/l	99
45) 1,2-Dichloropropane	7.51	63	153859	52.98	ug/l	100
46) Dibromomethane	7.66	93	101094	52.28	ug/l	99
47) Bromodichloromethane	7.90	83	193144	53.68	ug/l	99
48) Methyl methacrylate	7.77	41	175598	55.92	ug/l	99
49) 1,4-Dioxane	7.76	88	85860	1204.37	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1139327	267.22	ug/l	100
52) Toluene	8.79	92	369924	50.93	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	210348	52.93	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	232432	53.70	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	158987	54.23	ug/l	98
56) Ethyl methacrylate	9.18	69	223294	55.95	ug/l	99
57) 1,3-Dichloropropane	9.37	76	266165	53.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	631069	308.58	ug/l	99
59) 2-Hexanone	9.50	43	873747	268.62	ug/l	100
60) Dibromochloromethane	9.59	129	156078	54.64	ug/l	99
61) 1,2-Dibromoethane	9.67	107	162625	53.60	ug/l	99
64) Tetrachloroethene	9.34	164	155675	48.73	ug/l	98
65) Chlorobenzene	10.14	112	397277	48.95	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	149224	53.31	ug/l	95
67) Ethyl Benzene	10.26	91	672520	51.02	ug/l	95
68) m/p-Xylenes	10.36	106	544243	105.60	ug/l	99
69) o-Xylene	10.70	106	258189	52.96	ug/l	98
70) Styrene	10.71	104	452074	57.27	ug/l	98
71) Bromoform	10.86	173	119263	52.85	ug/l	99
73) Isopropylbenzene	11.02	105	699486	50.21	ug/l	99
74) N-amyl acetate	10.90	43	277422	51.72	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	247397	50.75	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	225906m	52.37	ug/l	
77) Bromobenzene	11.26	156	195943	50.14	ug/l	99
78) n-propylbenzene	11.36	91	802921	50.12	ug/l	100
79) 2-Chlorotoluene	11.42	91	492137	49.91	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	591754	51.30	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	68575	51.58	ug/l	98
82) 4-Chlorotoluene	11.51	91	559484	48.21	ug/l	97
83) tert-Butylbenzene	11.77	119	581624	50.11	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	626761	52.93	ug/l	100
85) sec-Butylbenzene	11.94	105	688144	49.94	ug/l	100
86) p-Isopropyltoluene	12.07	119	637235	51.60	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	357822	48.64	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	366018	47.19	ug/l	100
89) n-Butylbenzene	12.39	91	531127	52.89	ug/l	100
90) Hexachloroethane	12.60	117	89214	51.69	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	371210	55.21	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45751	53.28	ug/l	94

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	243235	49.72	ug/l	99
94) Hexachlorobutadiene	13.79	225	114259	50.20	ug/l	98
95) Naphthalene	13.83	128	775017	56.01	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	266957	51.54	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

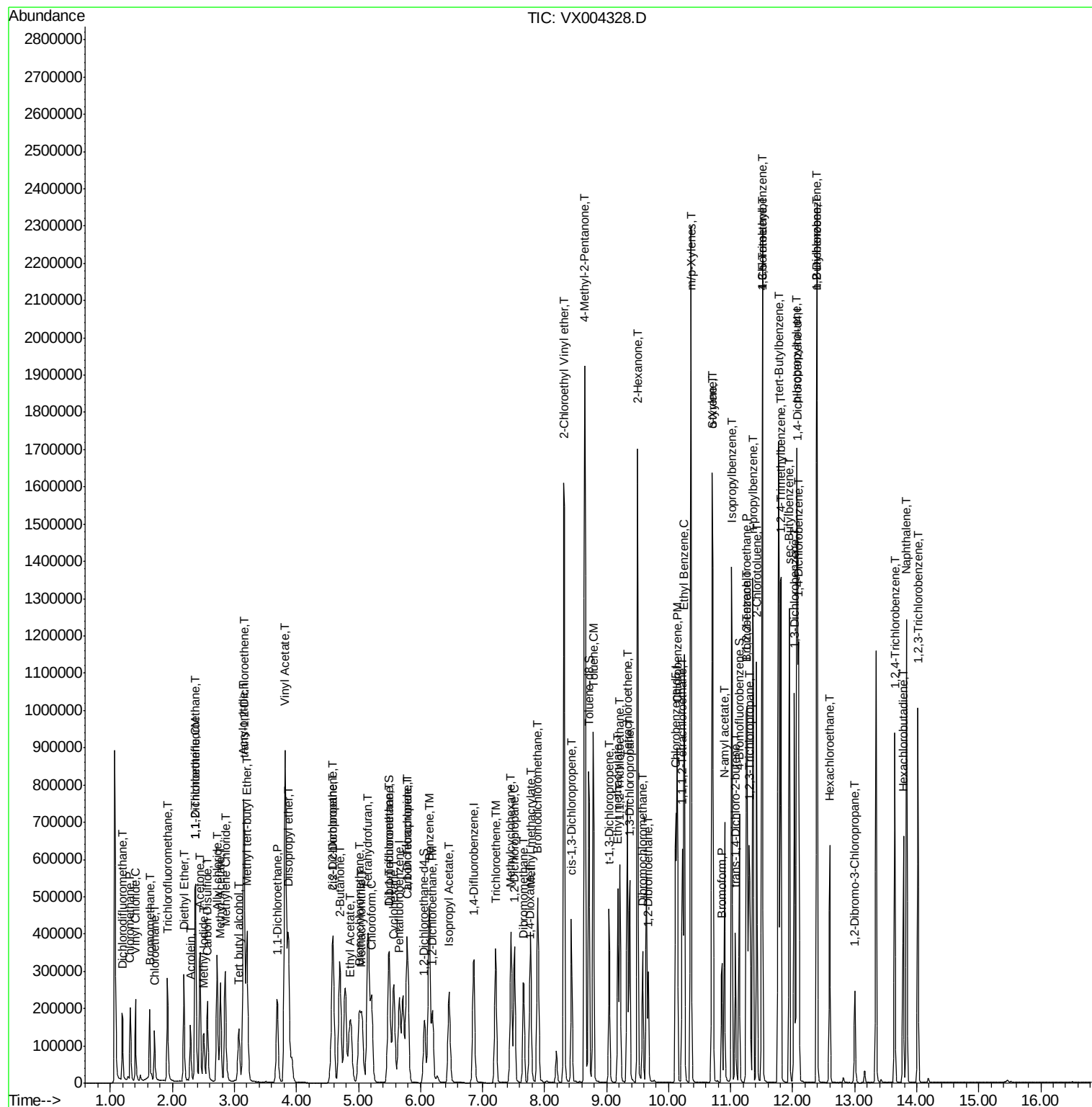
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 Operator : JC/MD
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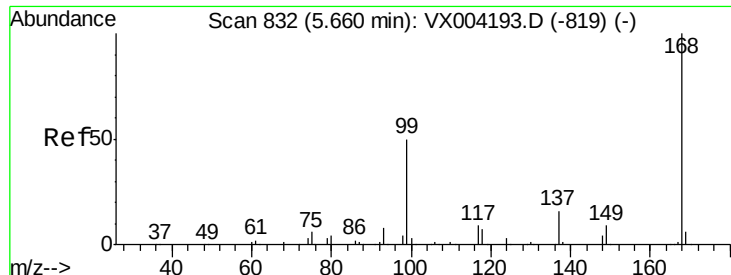
Instrument :
 MSVOA_X
 Client Sample ID :
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 236889

Ion Ratio Lower Upper

168 100

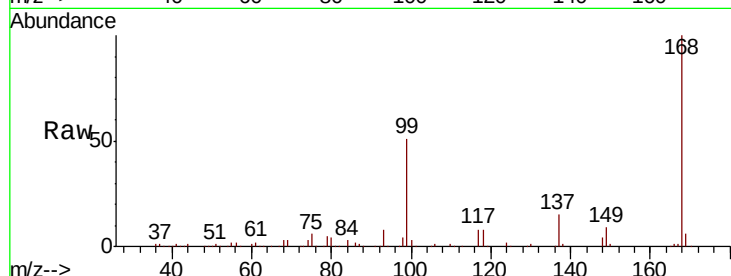
99 50.6 39.9 59.9

Manual Integrations

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9/4/2018 12:10:35 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

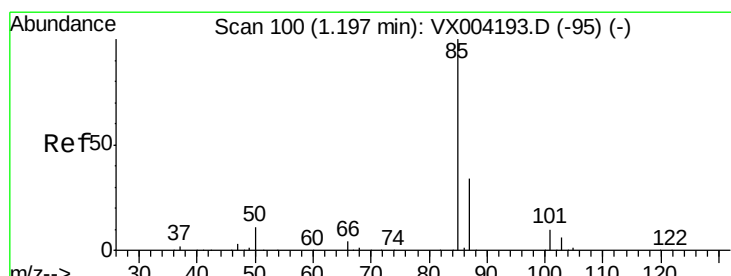
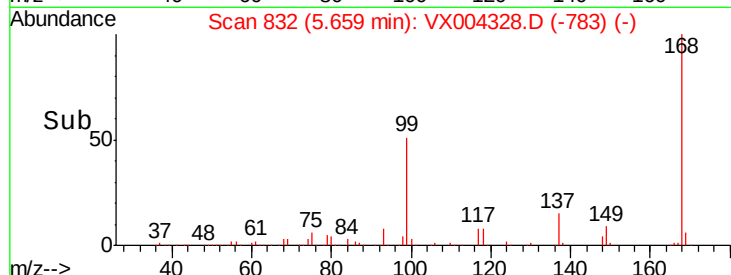
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 39.96 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004328.D

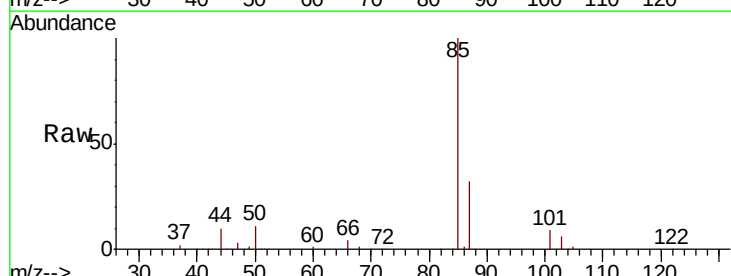
Acq: 31 Aug 2018 15:45

Tgt Ion: 85 Resp: 109642

Ion Ratio Lower Upper

85 100

87 31.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

120000

100000

80000

60000

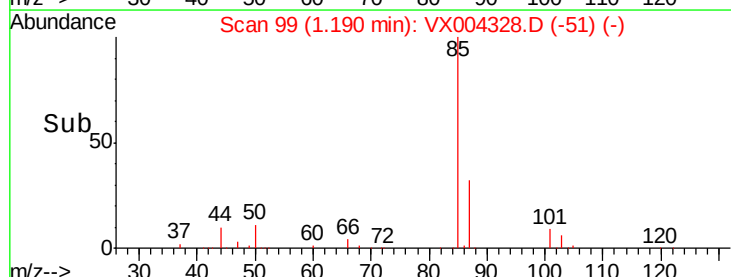
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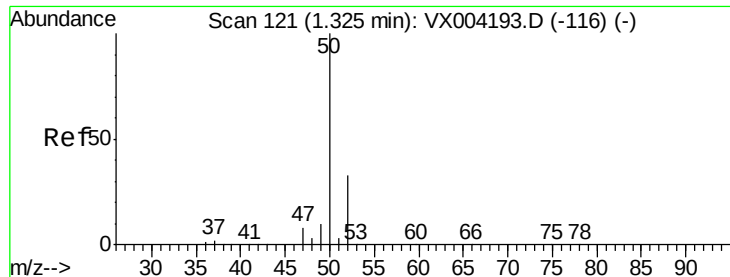
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 47.69 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 144569

Ion Ratio Lower Upper

50 100

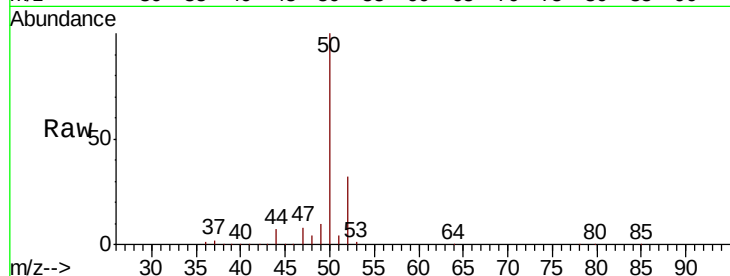
52 32.3 26.2 39.2

Manual Integrations

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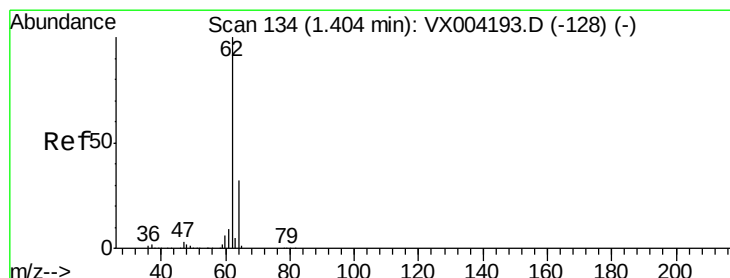
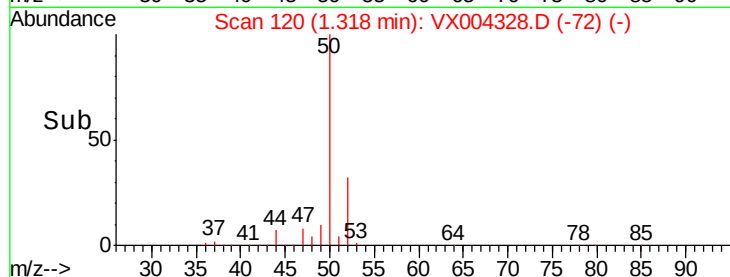
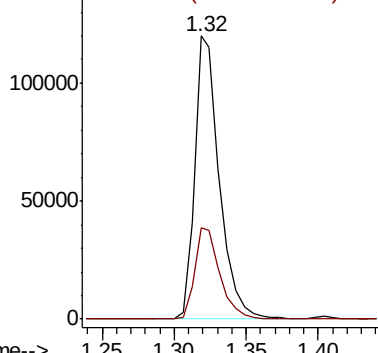
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.06 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004328.D

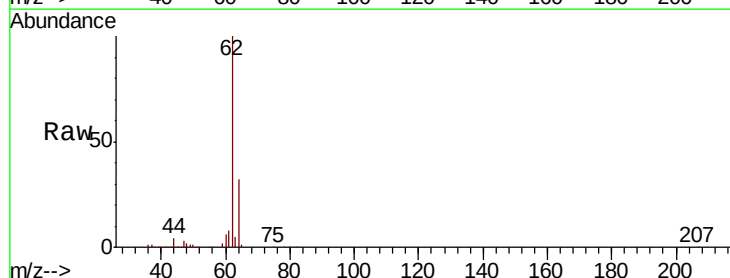
Acq: 31 Aug 2018 15:45

Tgt Ion: 62 Resp: 142959

Ion Ratio Lower Upper

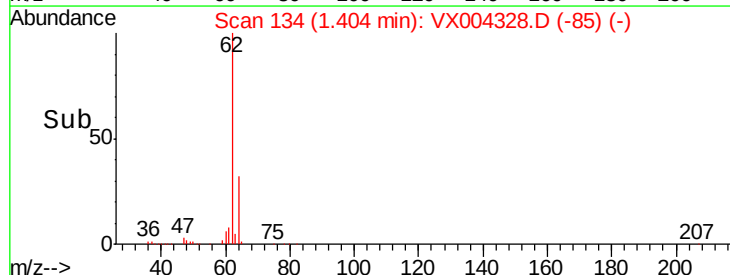
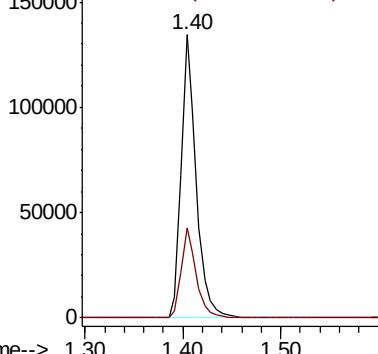
62 100

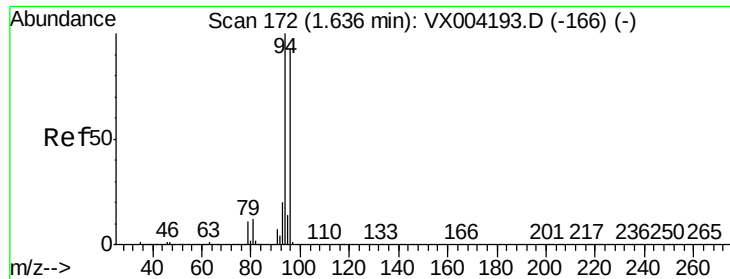
64 31.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.51 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 71375

Ion Ratio Lower Upper

94 100

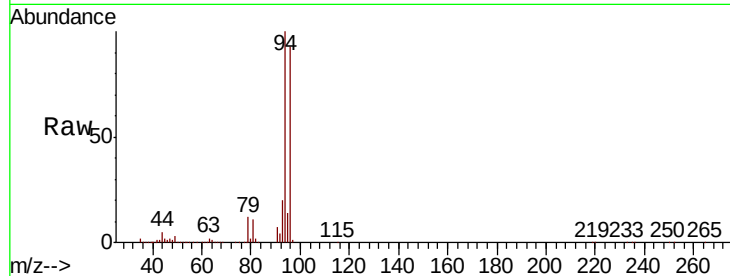
96 92.6 74.5 111.7

Manual Integrations

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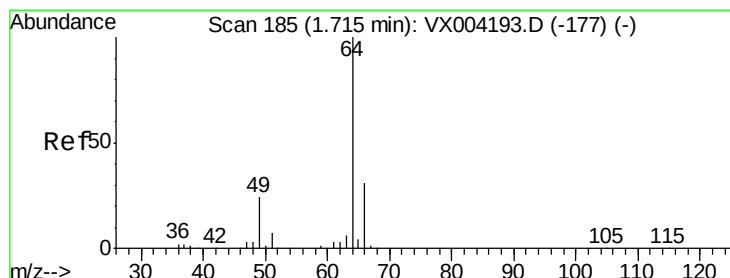
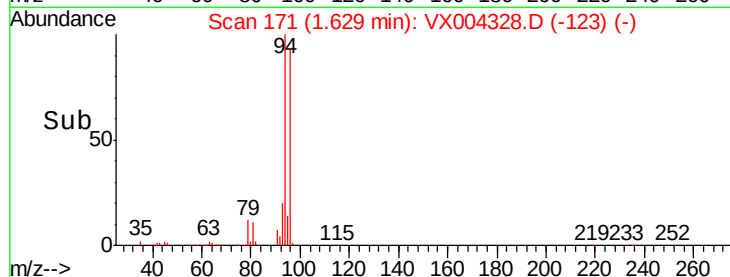
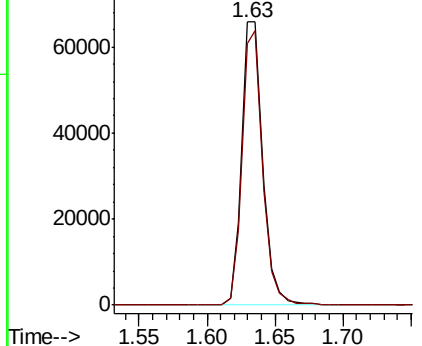
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.51 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX004328.D

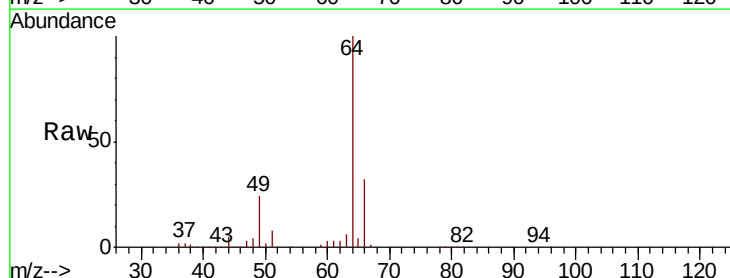
Acq: 31 Aug 2018 15:45

Tgt Ion: 64 Resp: 100593

Ion Ratio Lower Upper

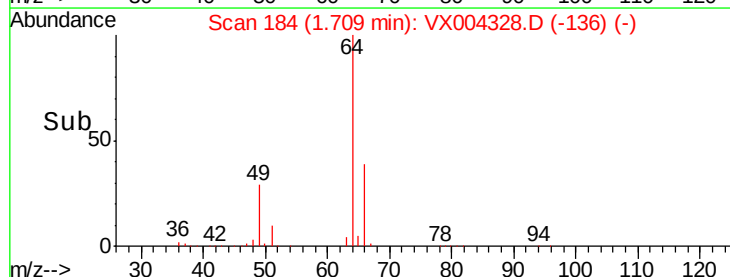
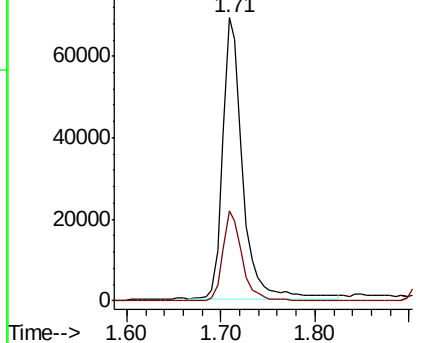
64 100

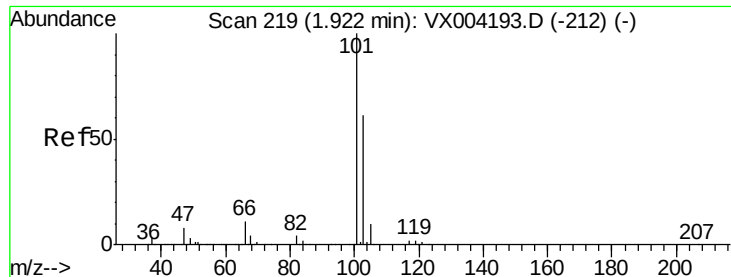
66 31.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

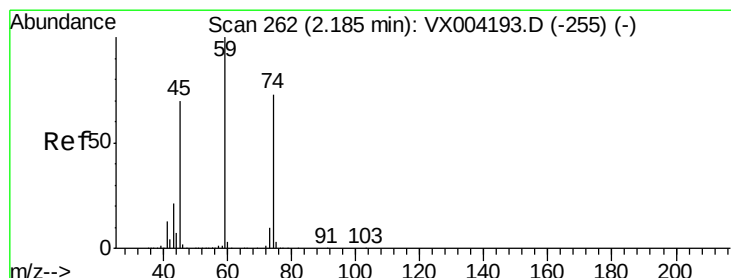
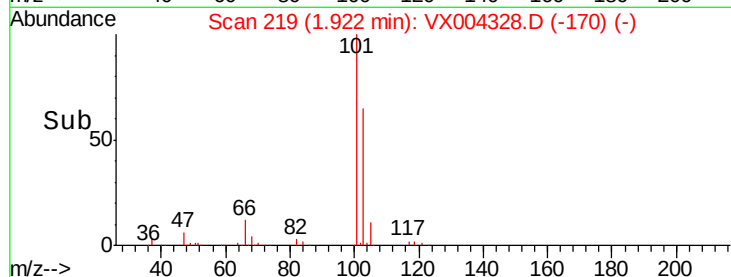
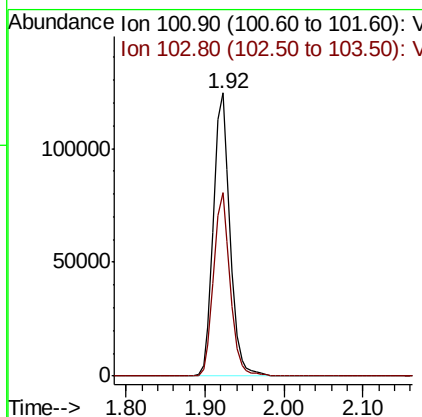
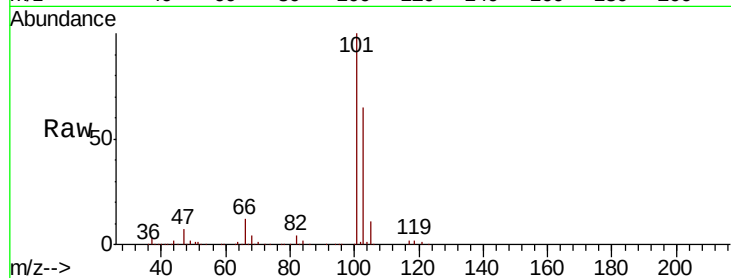
Trichlorofluoromethane
Concen: 43.06 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	183136		
103	64.6	48.9	73.3	

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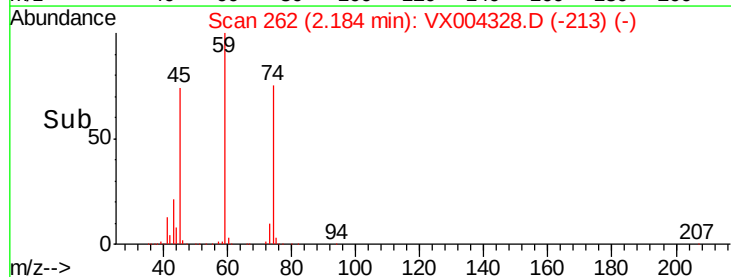
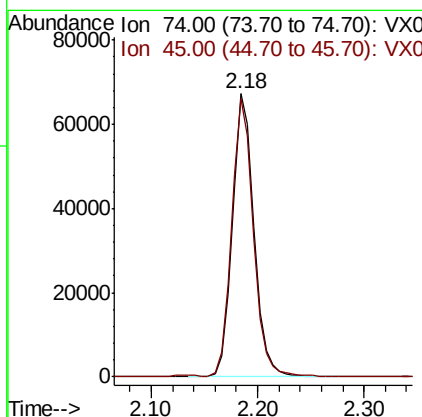
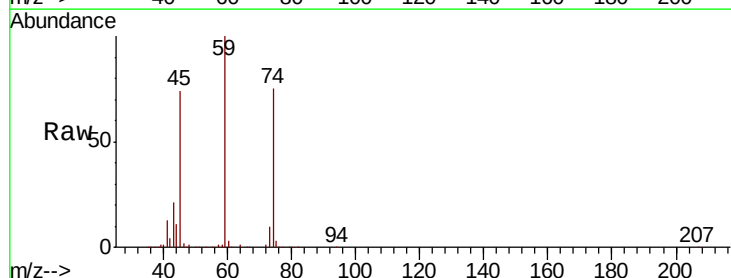
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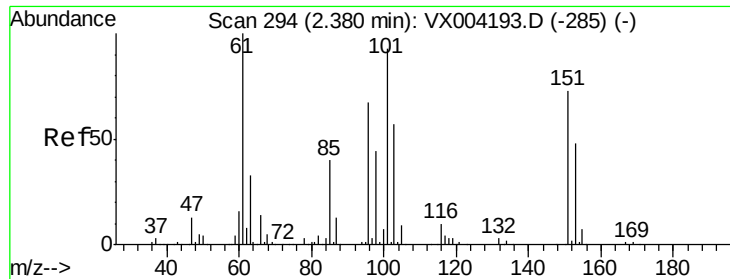


#8

Diethyl Ether
Concen: 52.60 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	95804		
45	98.3	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.41 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

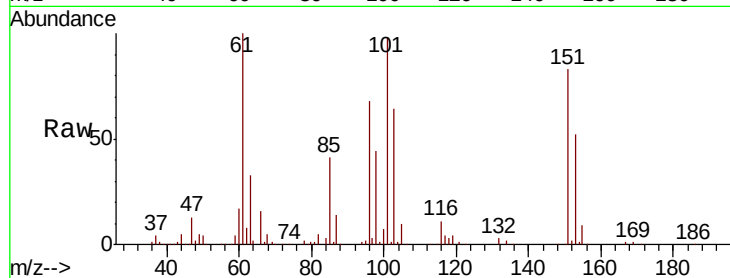
ClientSampleId :

VSTDCCC050

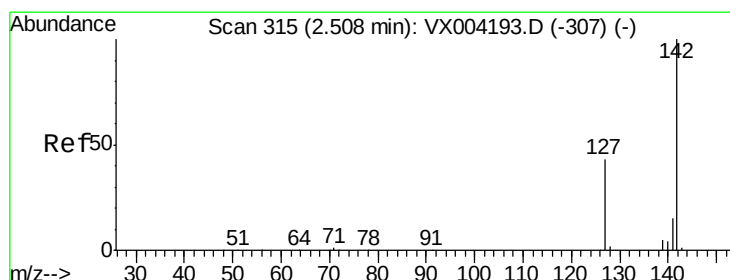
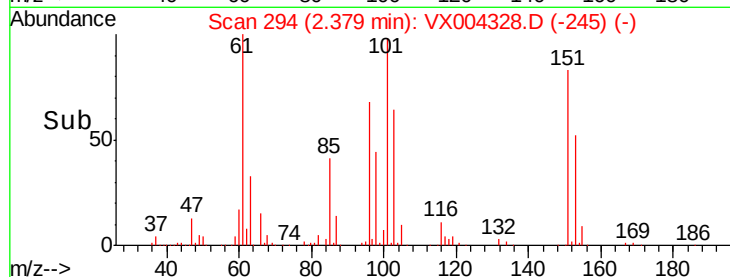
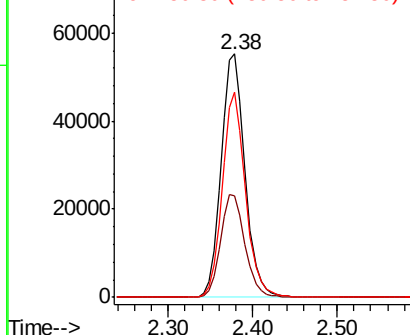
Tot Ion:	101	Resp:	107656
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.4
151	81.6	65.0	97.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.37 ug/l

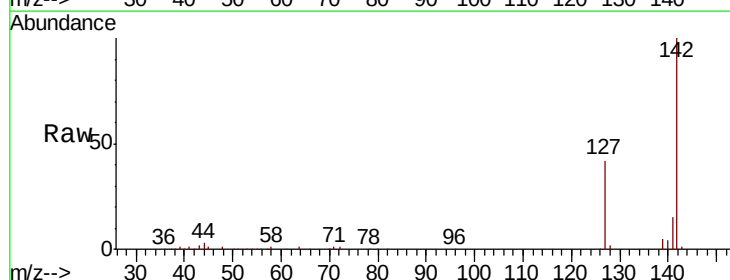
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

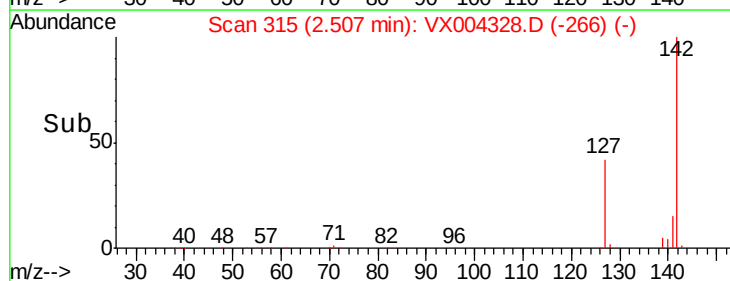
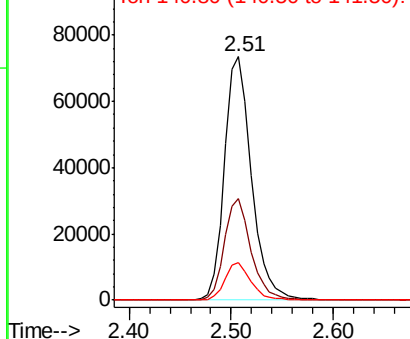
Lab File: VX004328.D

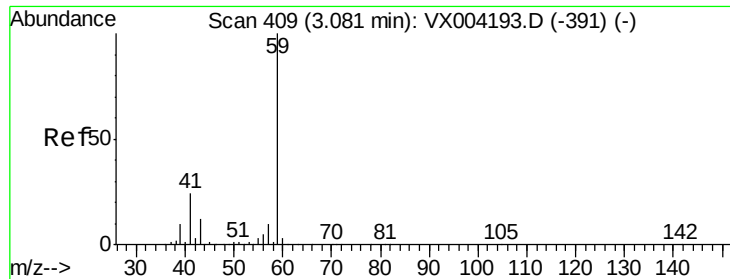
Acq: 31 Aug 2018 15:45

Tgt Ion:	142	Resp:	135108
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.8	50.6
141	14.6	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





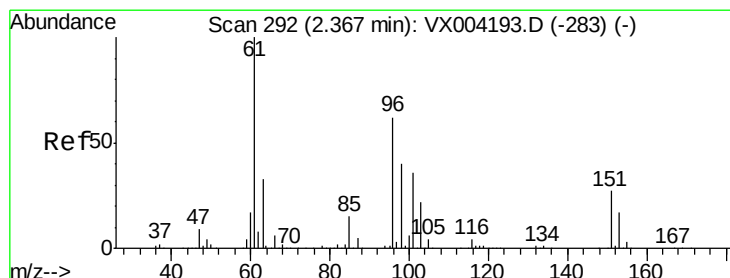
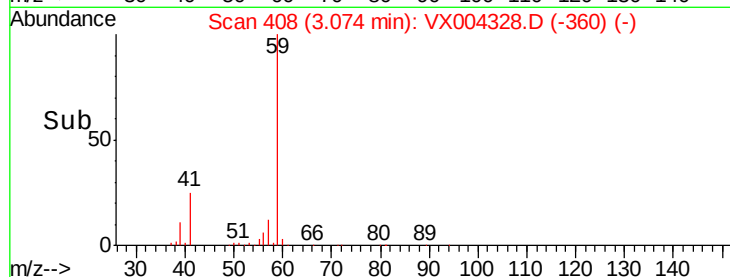
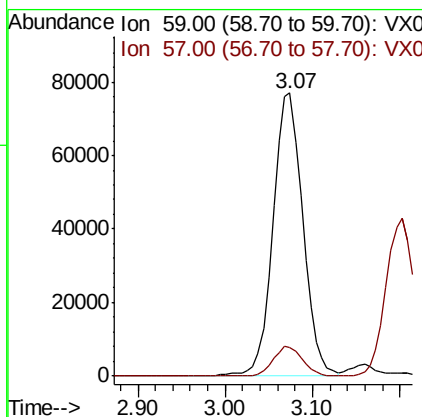
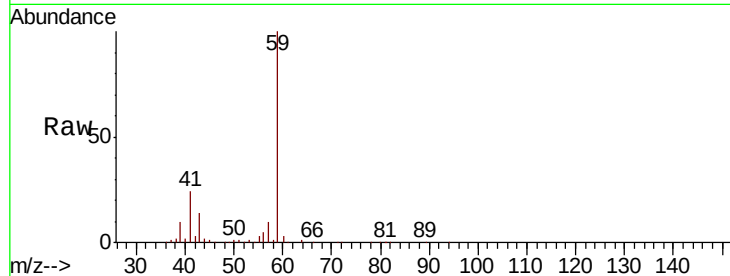
#11
Tert butyl alcohol
Concen: 277.63 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

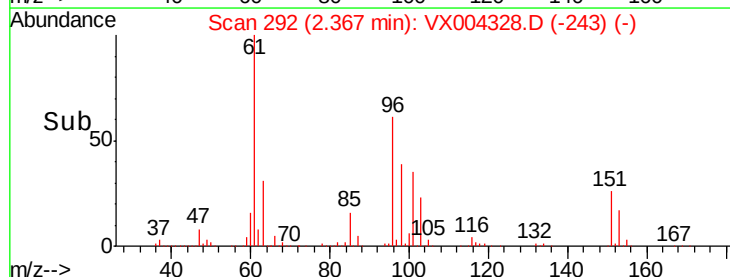
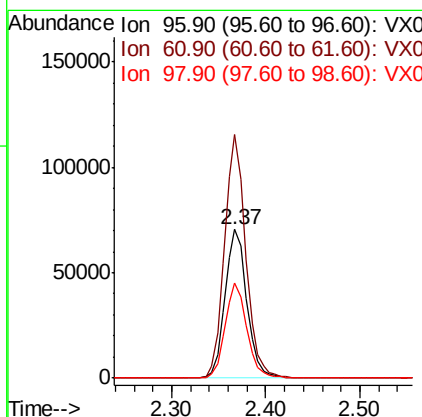
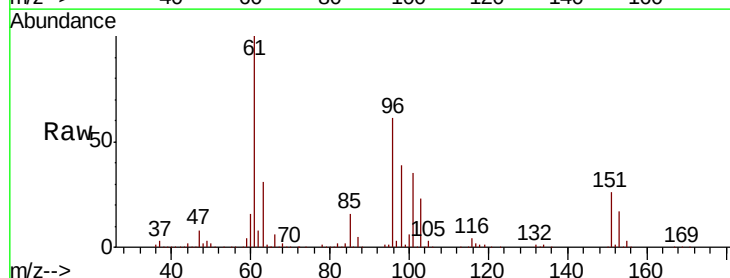
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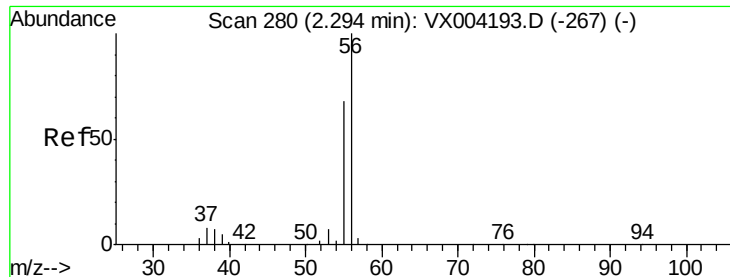
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.18 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.7	128.8	193.2
98	64.2	52.2	78.2





#13

Acrolein

Concen: 718.90 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 114069

Ion Ratio Lower Upper

56 100

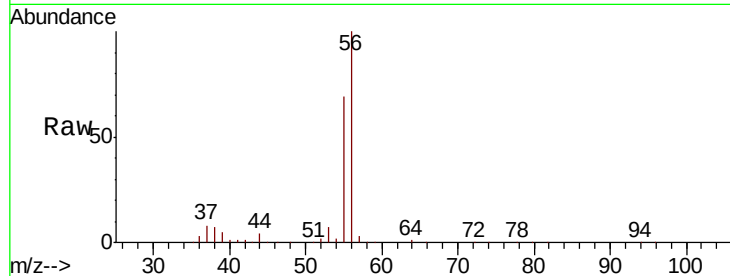
55 70.6 54.7 82.1

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

80000

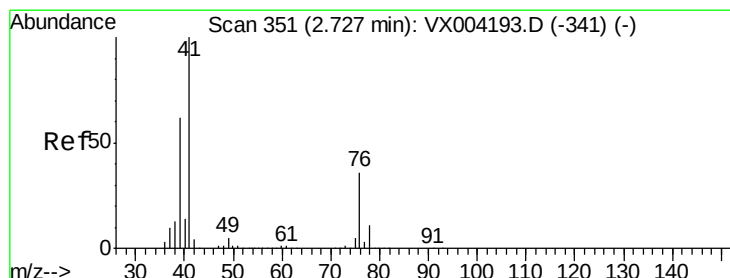
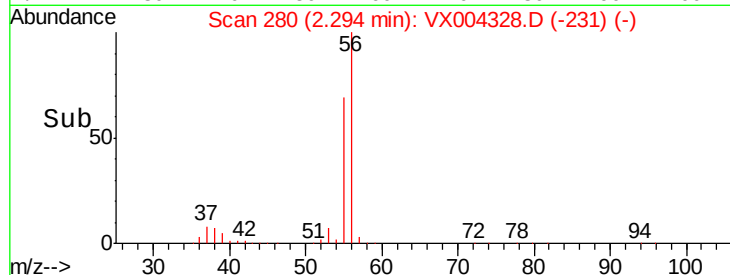
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 50.89 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

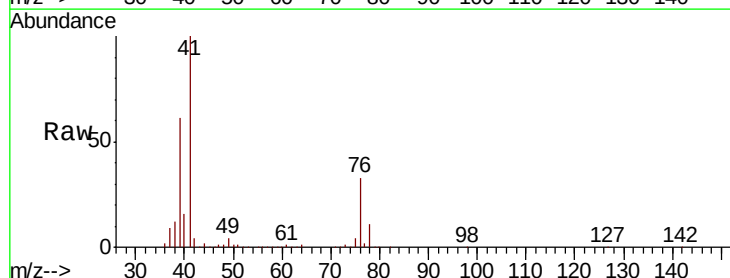
Tgt Ion: 41 Resp: 234624

Ion Ratio Lower Upper

41 100

39 58.6 48.9 73.3

76 32.0 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.72

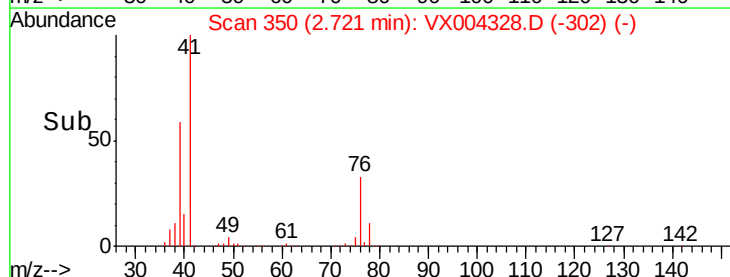
150000

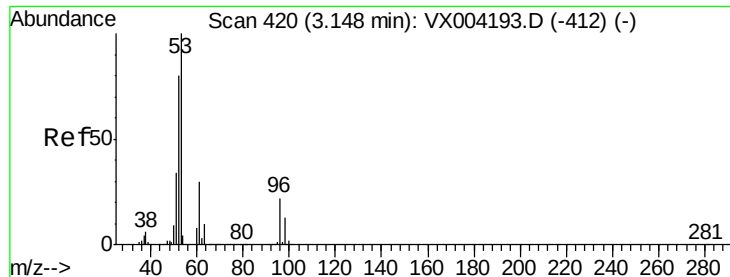
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 276.90 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

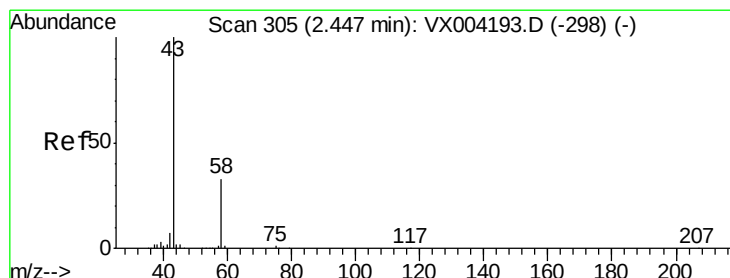
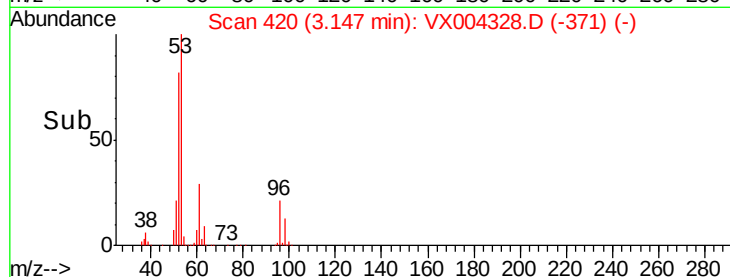
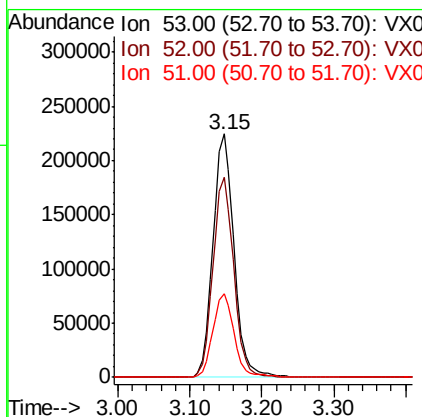
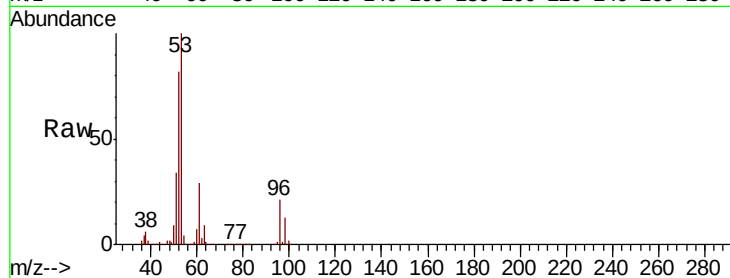
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	451331
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.2	97.8
51	34.7	28.2	42.2

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#16

Acetone

Concen: 288.28 ug/l

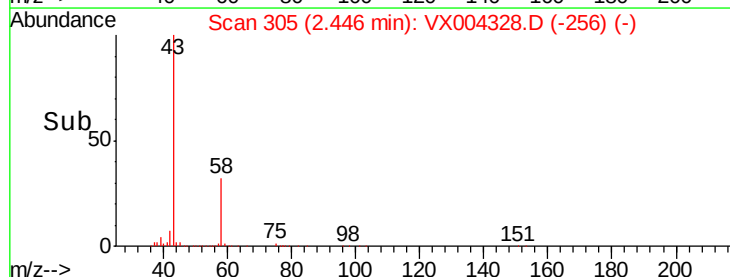
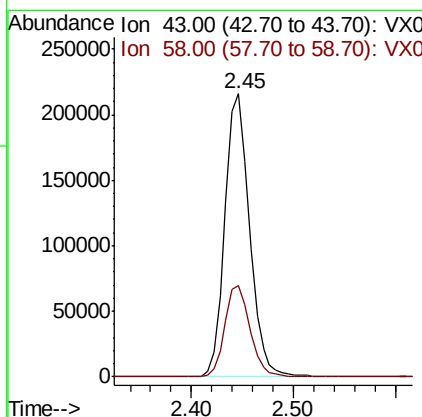
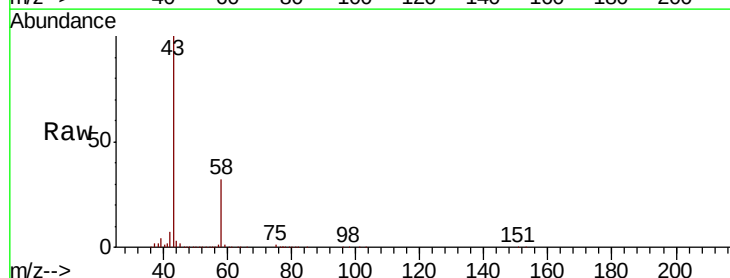
RT: 2.45 min Scan# 305

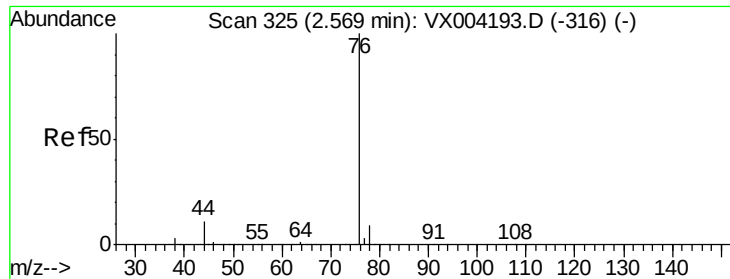
Delta R.T. 0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Tgt Ion:	43	Resp:	361786
Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.2	39.4





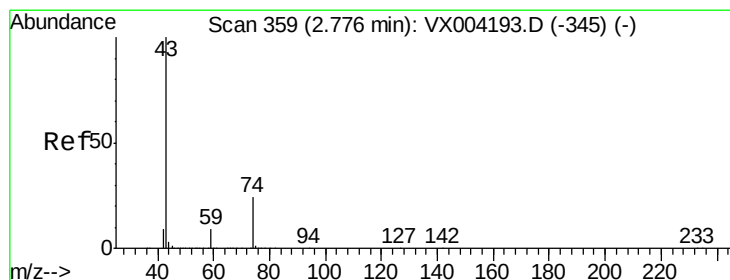
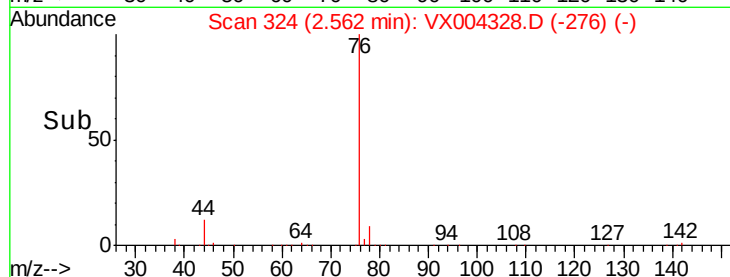
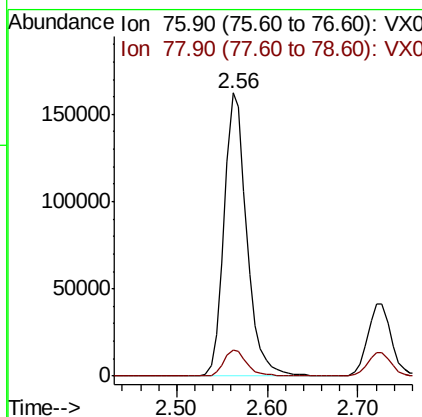
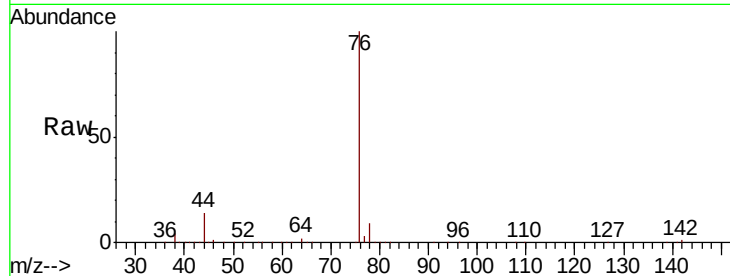
#17
Carbon Disulfide
Concen: 40.67 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

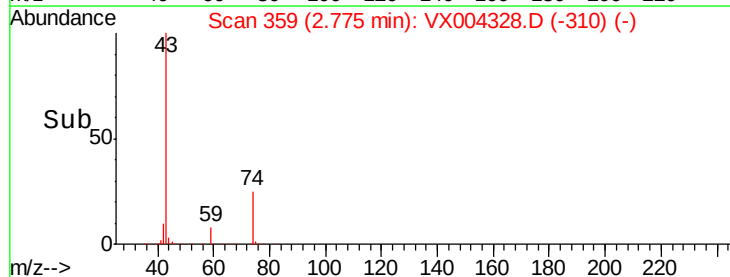
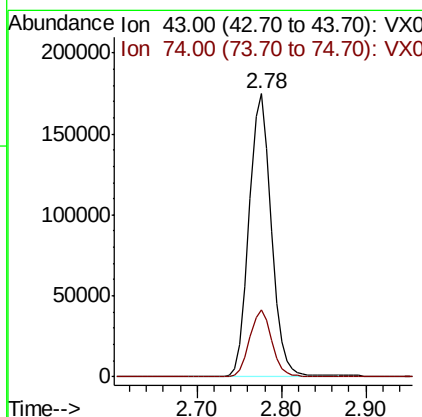
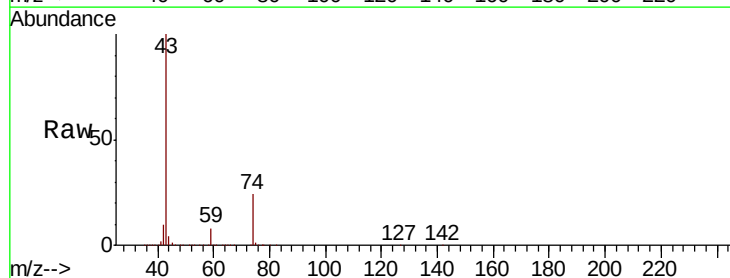
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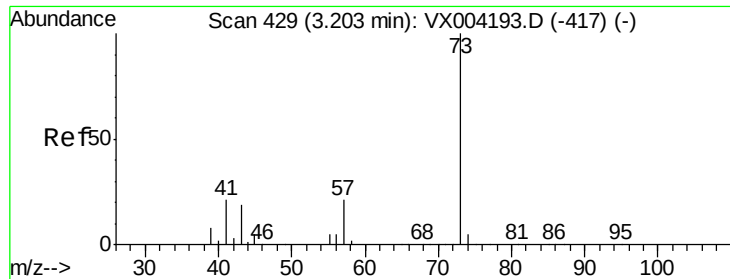
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#18
Methyl Acetate
Concen: 67.79 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.4	29.2





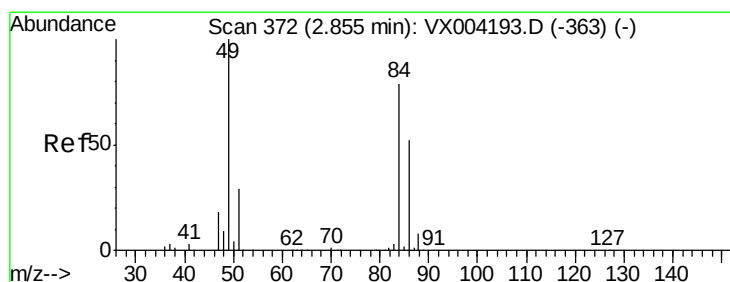
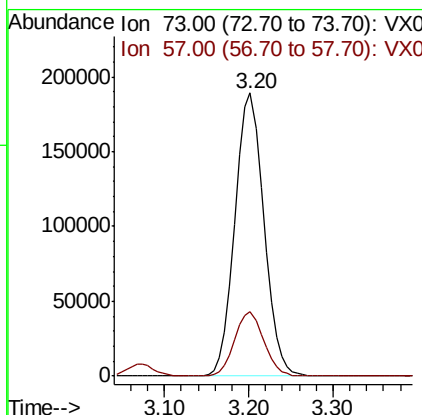
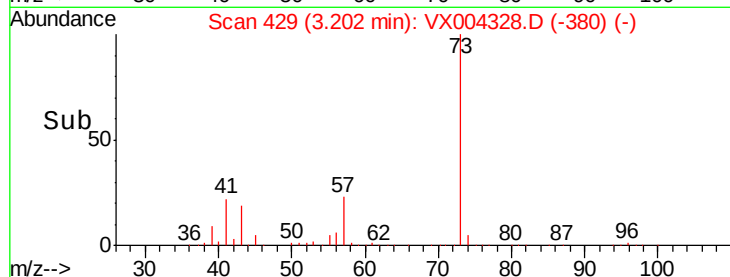
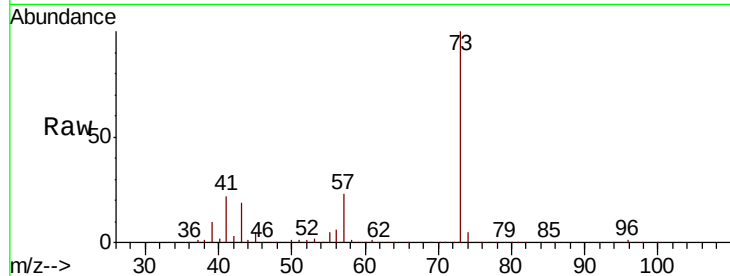
#19
Methvl tert-butvl Ether
Concen: 53.20 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 439977
Ion Ratio Lower Upper
73 100
57 22.7 17.1 25.7

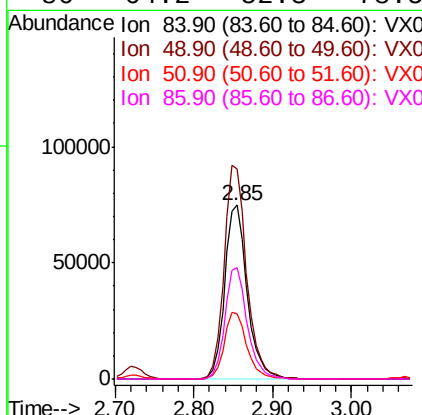
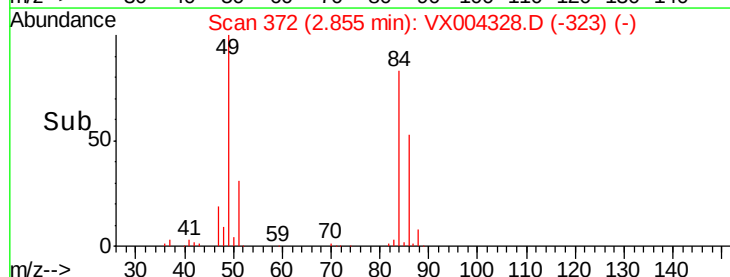
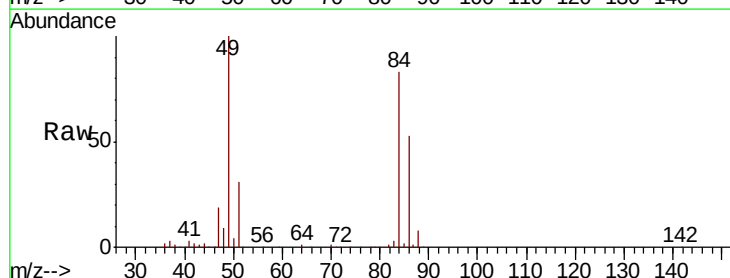
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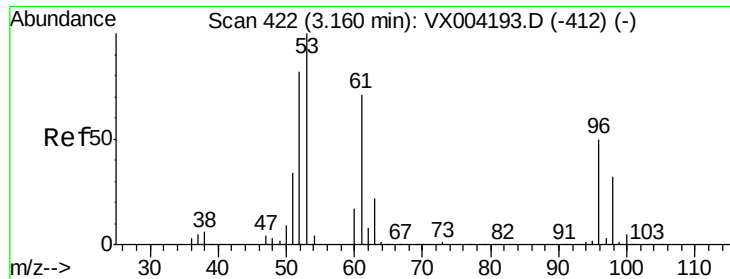
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#20
Methylene Chloride
Concen: 49.86 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion: 84 Resp: 148184
Ion Ratio Lower Upper
84 100
49 121.0 101.2 151.8
51 37.8 29.5 44.3
86 64.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 45.99 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 127740

Ion Ratio Lower Upper

96 100

61 137.0 113.8 170.6

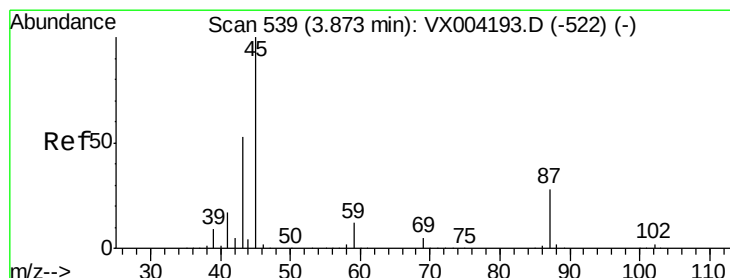
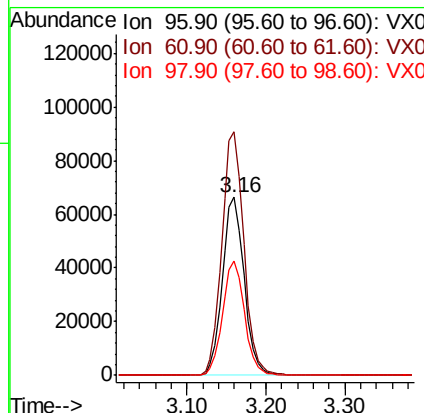
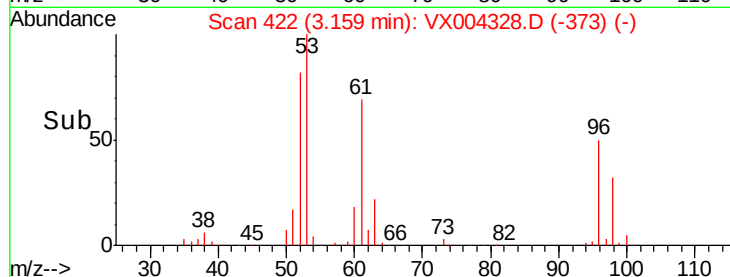
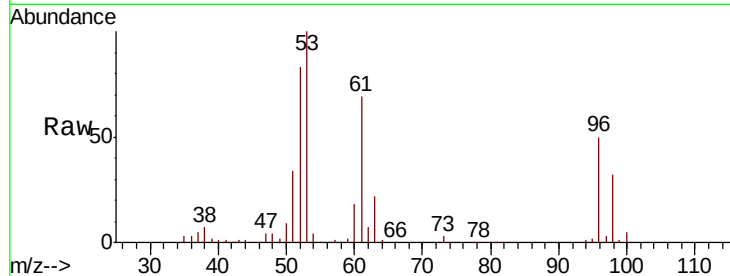
98 64.1 51.8 77.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 51.85 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Tgt Ion: 45 Resp: 446373

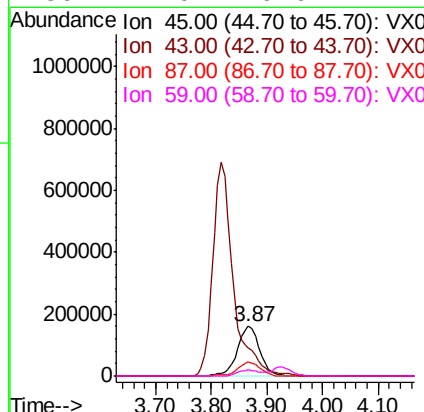
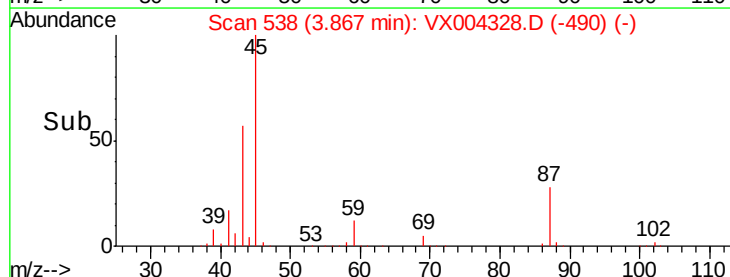
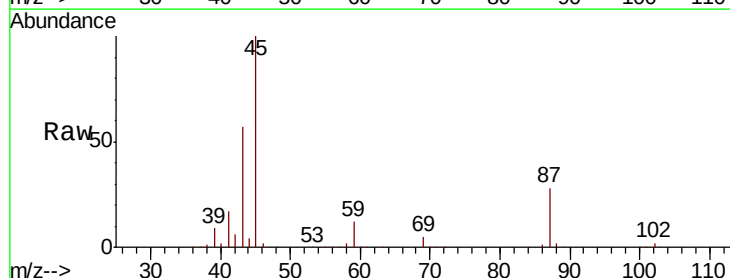
Ion Ratio Lower Upper

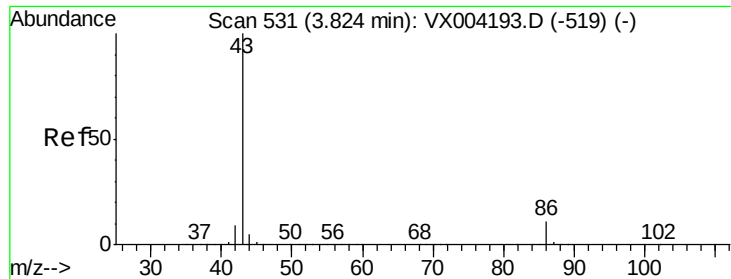
45 100

43 56.9 42.8 64.2

87 28.2 22.6 34.0

59 12.0 9.6 14.4





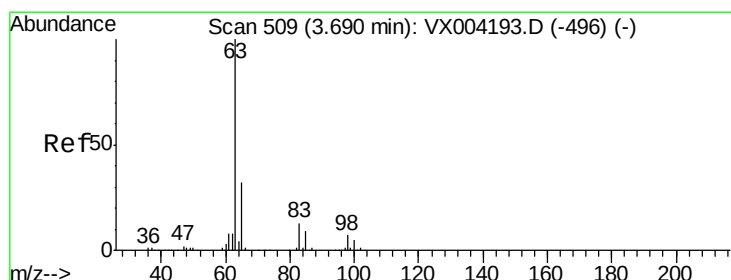
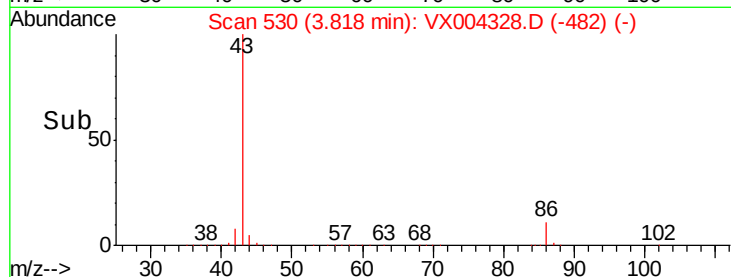
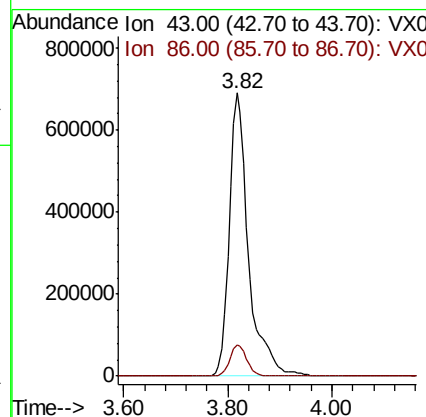
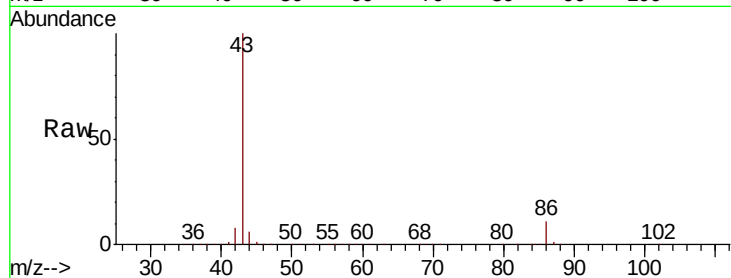
#23
 Vinyl Acetate
 Concen: 255.85 ug/l
 RT: 3.82 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1785199
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.9 13.3

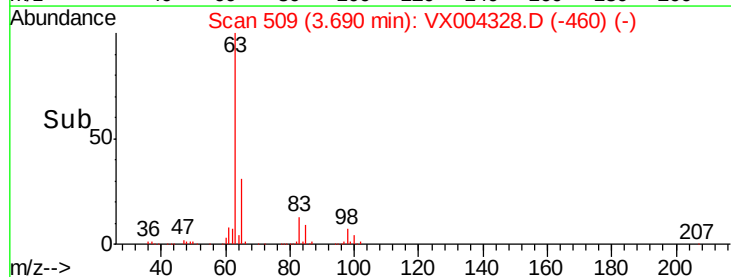
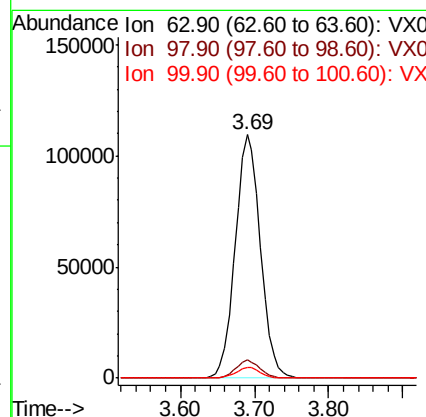
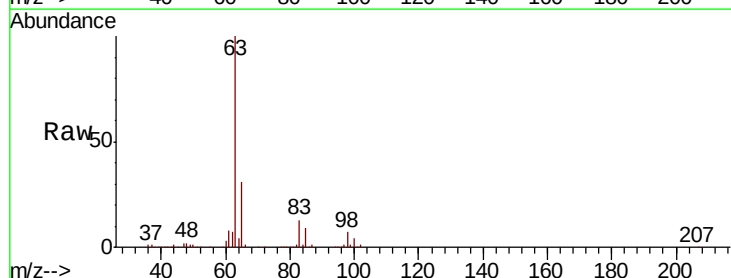
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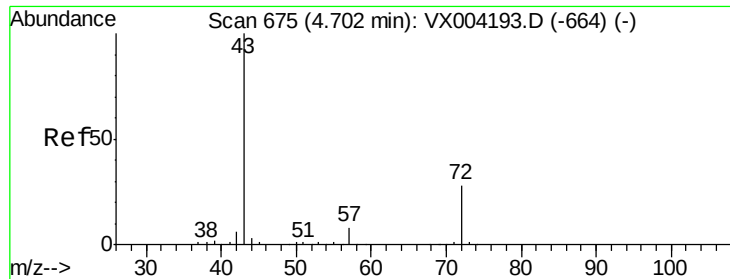
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 51.64 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Tgt Ion: 63 Resp: 259078
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.5 10.4
 100 4.5 2.4 7.1





#25

2-Butanone

Concen: 282.16 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 582998

Ion Ratio Lower Upper

43 100

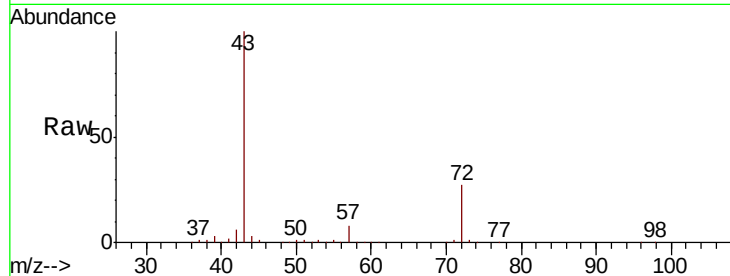
72 27.4 22.0 33.0

Manual Integrations

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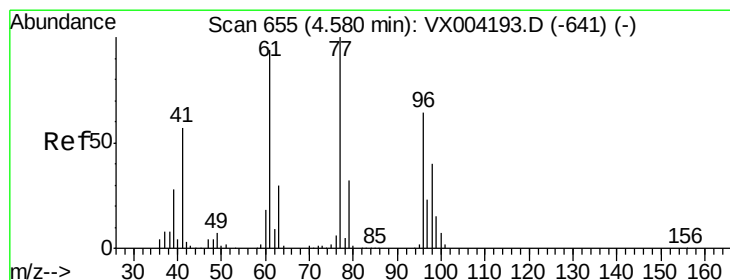
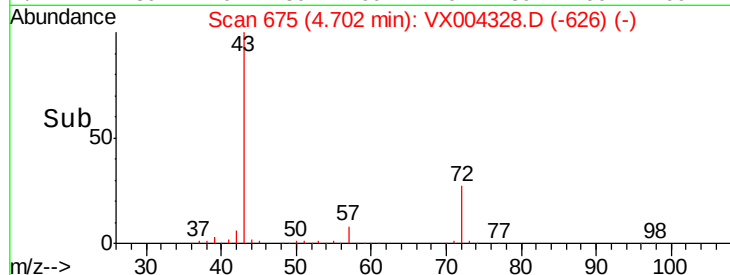
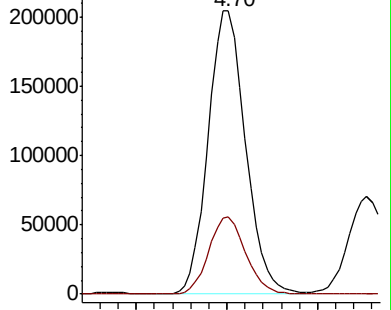
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 44.42 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004328.D

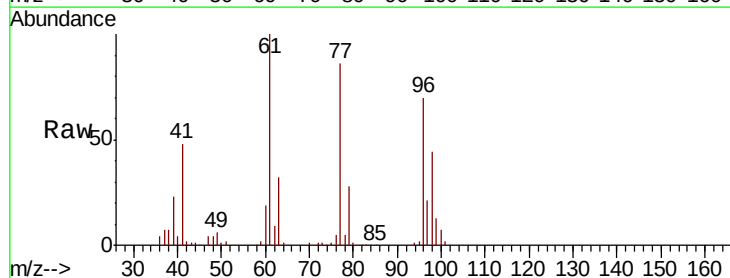
Acq: 31 Aug 2018 15:45

Tgt Ion: 77 Resp: 174807

Ion Ratio Lower Upper

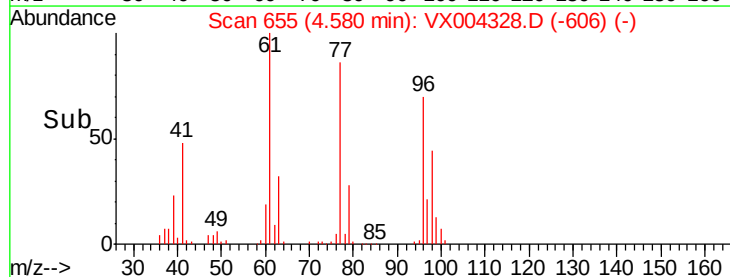
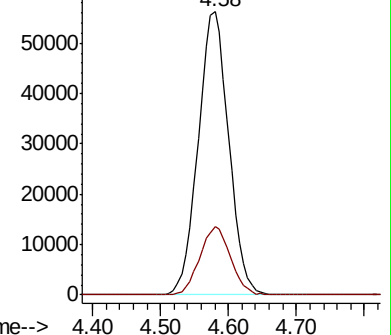
77 100

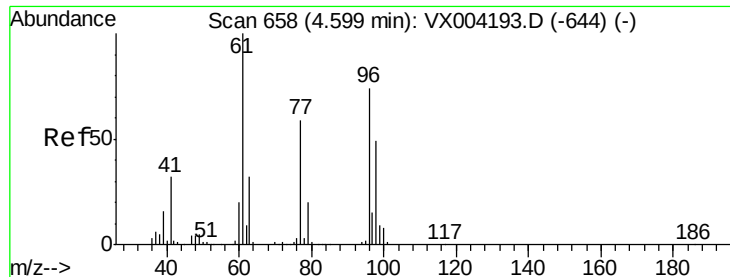
97 24.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

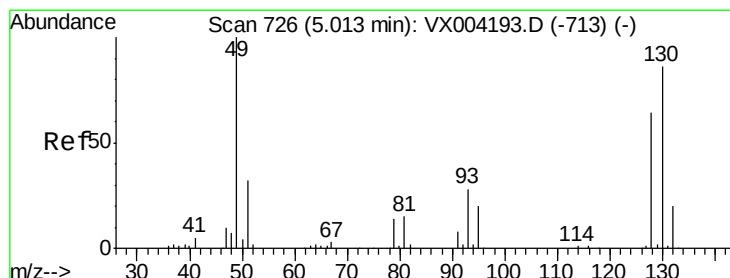
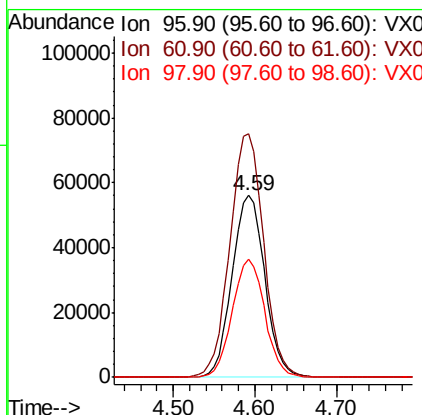
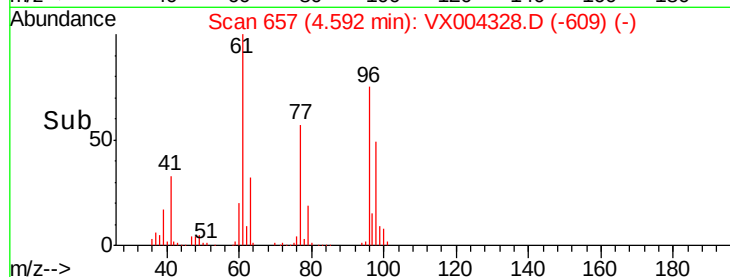
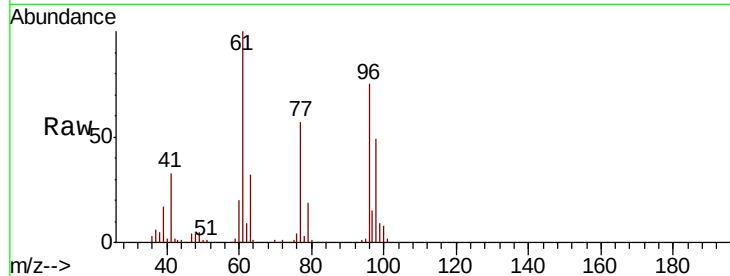
cis-1,2-Dichloroethene
 Concen: 49.45 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	155792		
61	138.5	0.0	282.6	
98	64.5	0.0	130.2	

Manual Integrations
 APPROVED

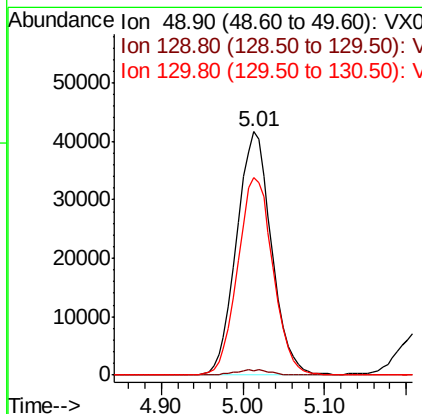
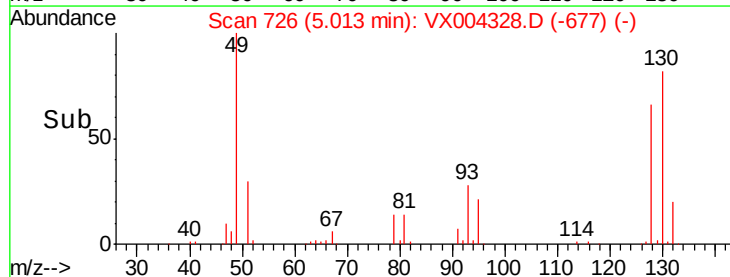
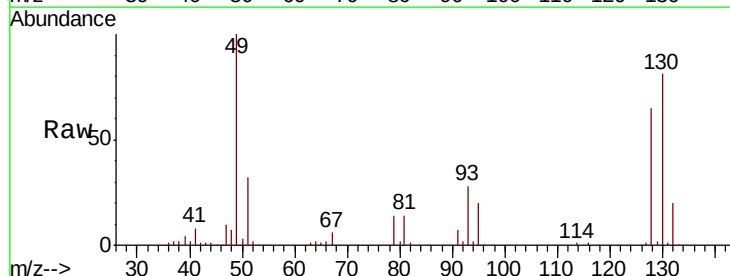
MMDadoda
 9/4/2018 12:10:35 PM

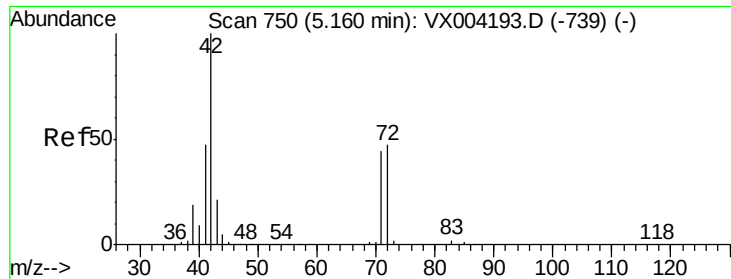


#28

Bromochloromethane
 Concen: 55.83 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	124001		
129	2.1	0.0	4.2	
130	82.1	67.5	101.3	





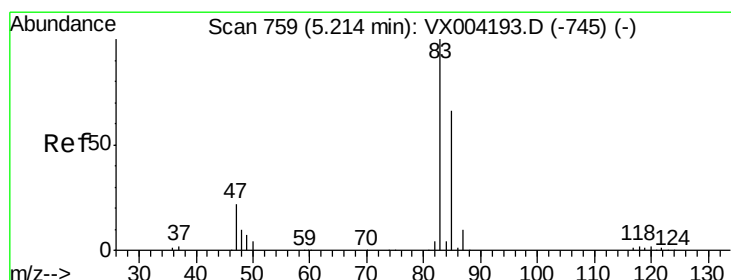
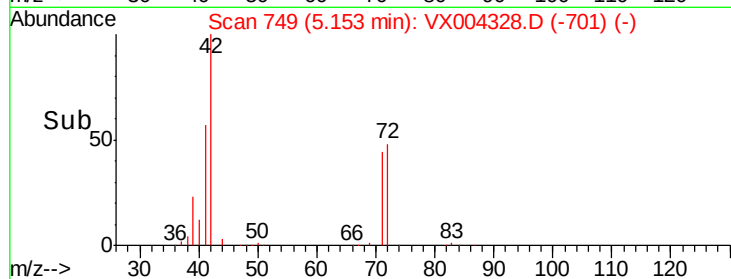
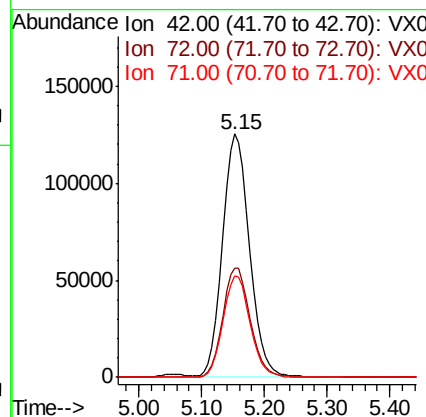
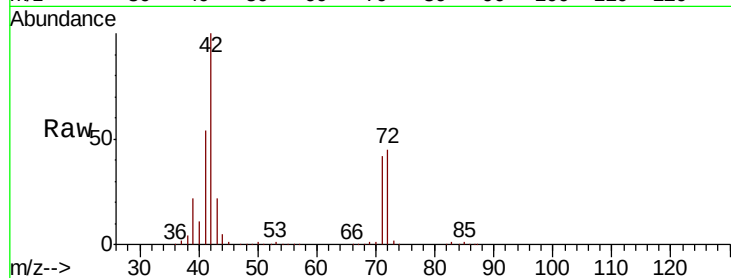
#29
Tetrahydrofuran
Concen: 280.58 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	372203
Ion Ratio		Lower	Upper
42	100		
72	46.2	37.4	56.0
71	42.1	34.5	51.7

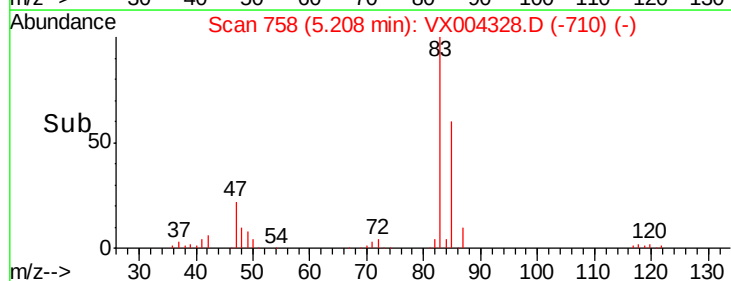
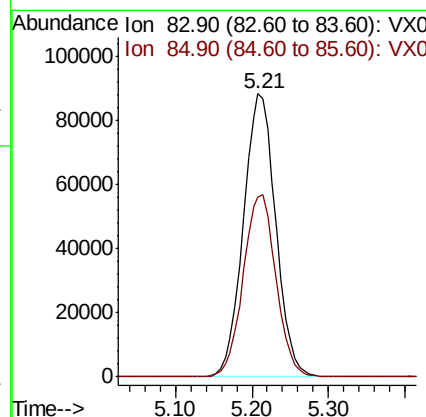
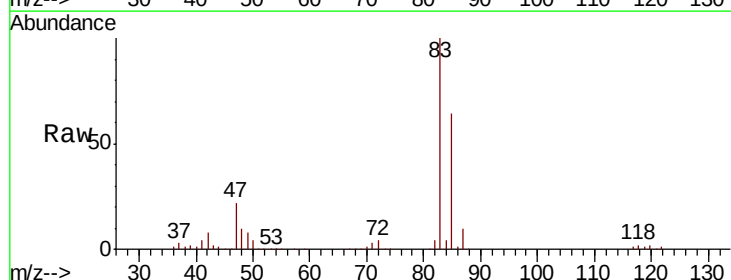
Manual Integrations
APPROVED

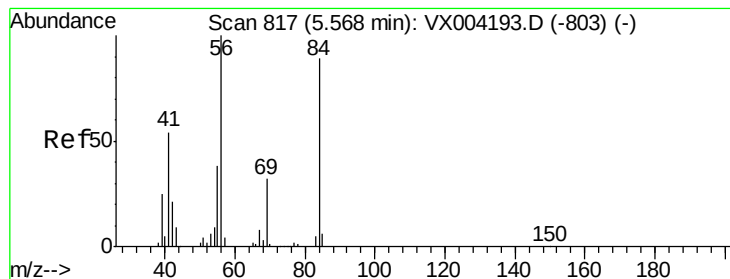
MMDadoda
9/4/2018 12:10:35 PM



#30
Chloroform
Concen: 51.60 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion:	83	Resp:	259556
Ion Ratio		Lower	Upper
83	100		
85	63.6	52.6	79.0





#31

Cyclohexane

Concen: 40.75 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 176379

Ion Ratio Lower Upper

56 100

69 31.5 25.4 38.2

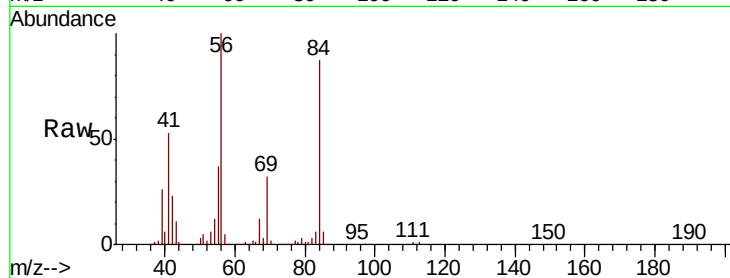
84 85.4 71.4 107.2

Manual Integrations

APPROVED

MMDadoda

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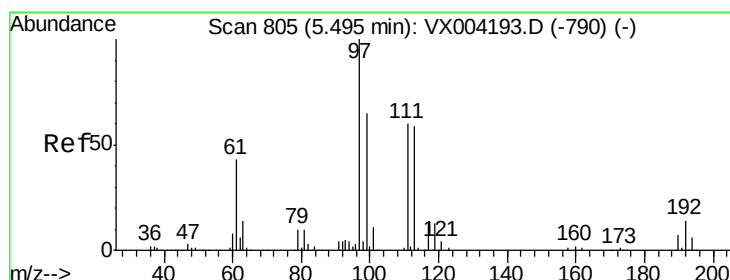
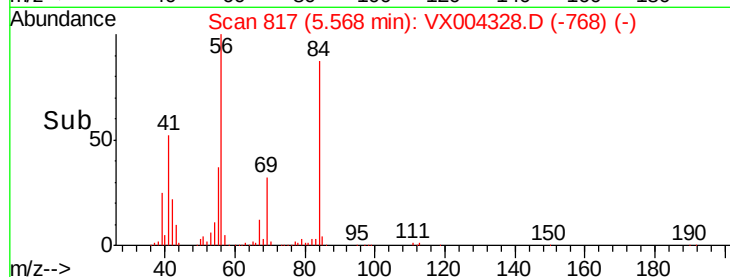
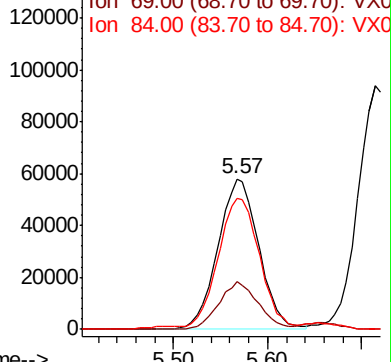


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 48.43 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

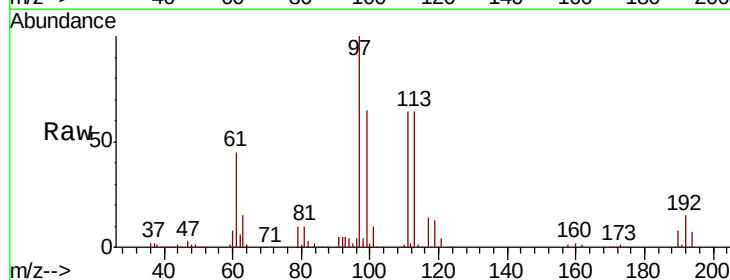
Tgt Ion: 97 Resp: 203141

Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

61 44.5 34.9 52.3

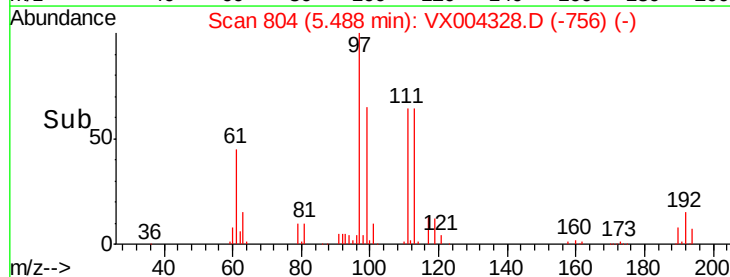
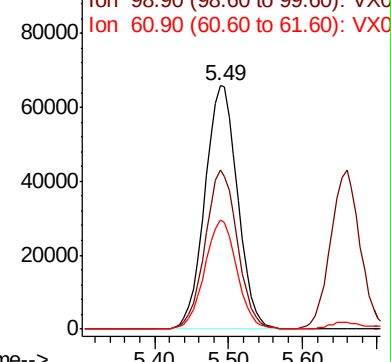


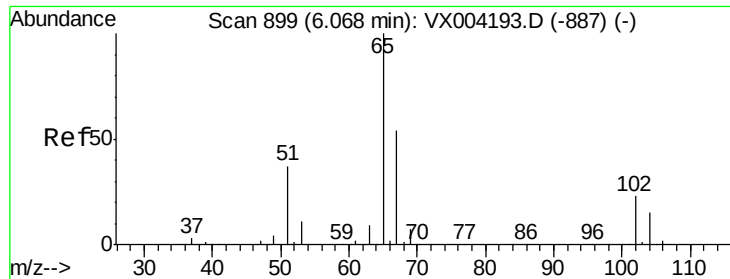
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





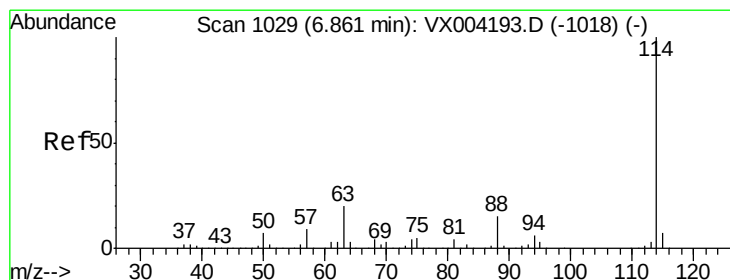
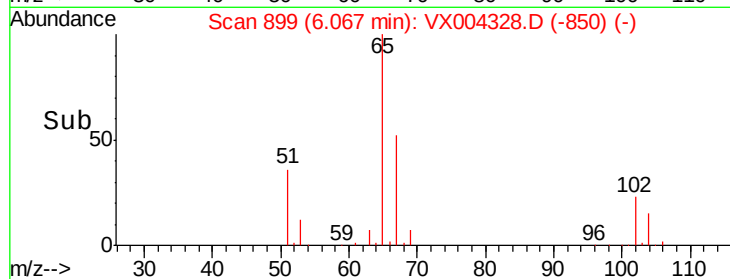
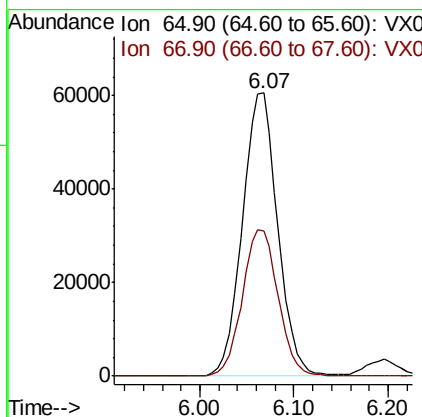
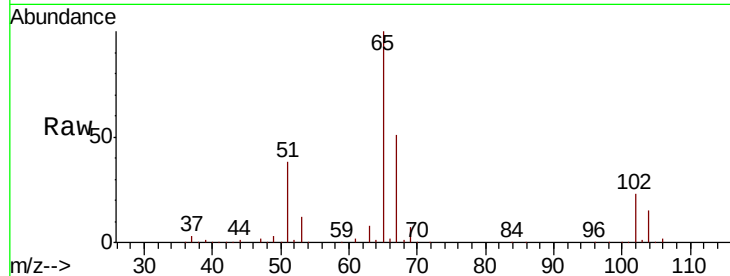
#33
 1,2-Dichloroethane-d4
 Concen: 51.38 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	158639		
67	52.6	0.0	106.8	

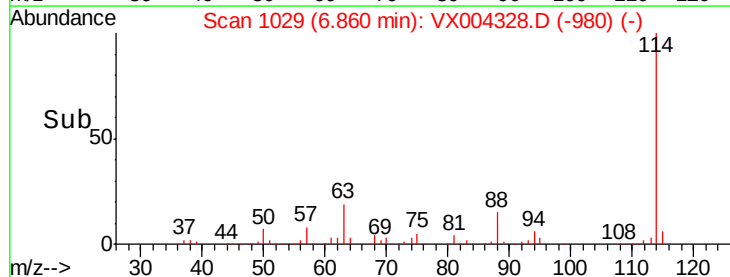
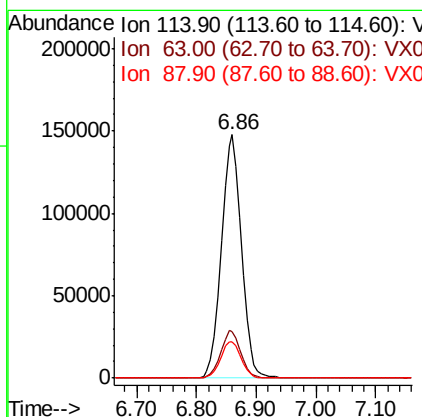
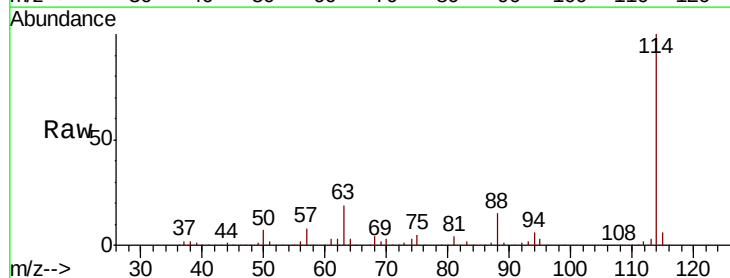
Manual Integrations
 APPROVED

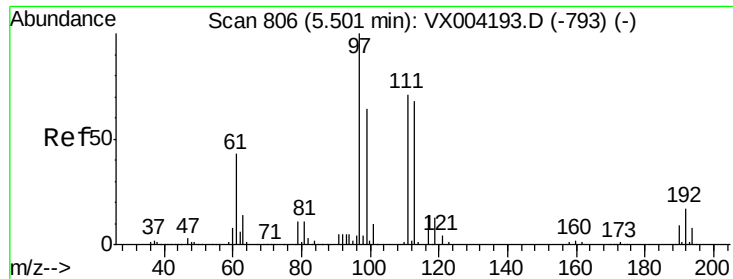
MMDadoda
 9/4/2018 12:10:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	345398		
63	19.3	0.0	39.0	
88	14.8	0.0	30.4	





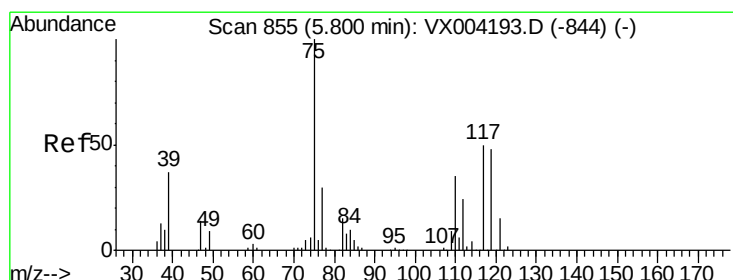
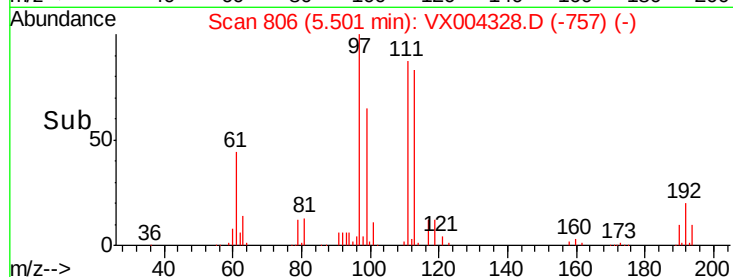
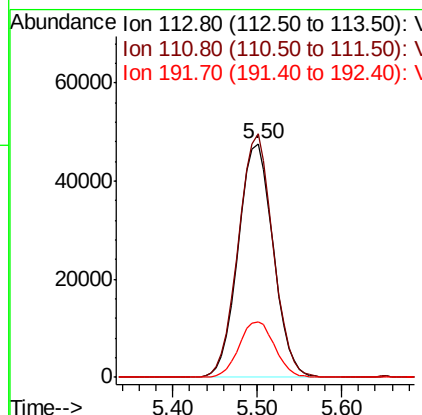
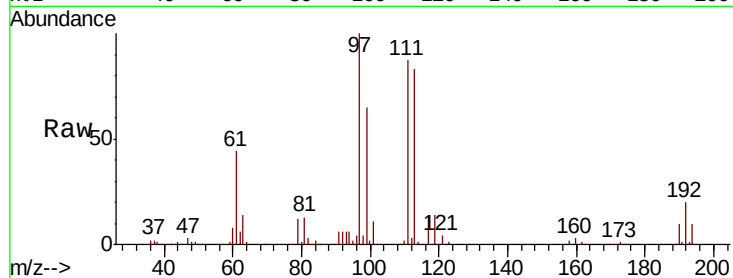
#35
 Dibromofluoromethane
 Concen: 52.19 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	134094		
111	102.9	82.4	123.6	
192	24.1	19.4	29.2	

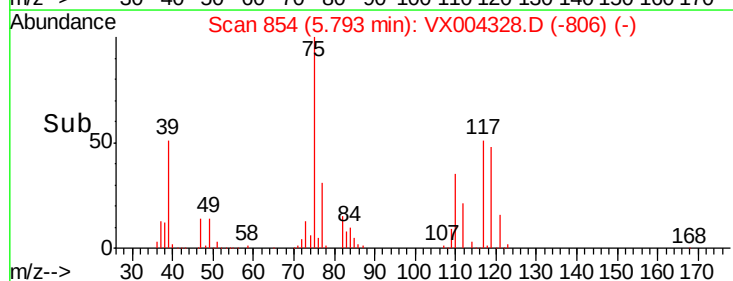
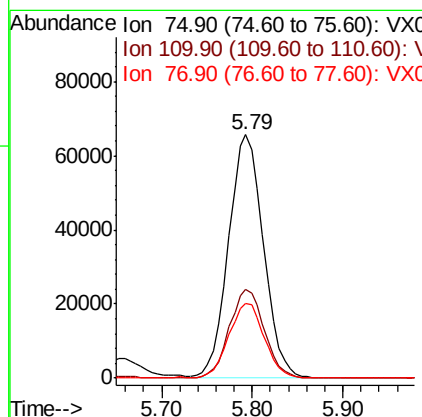
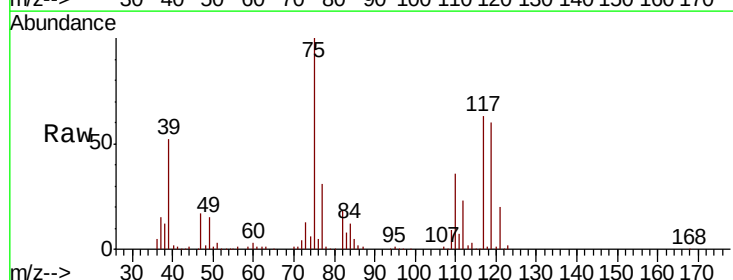
Manual Integrations
 APPROVED

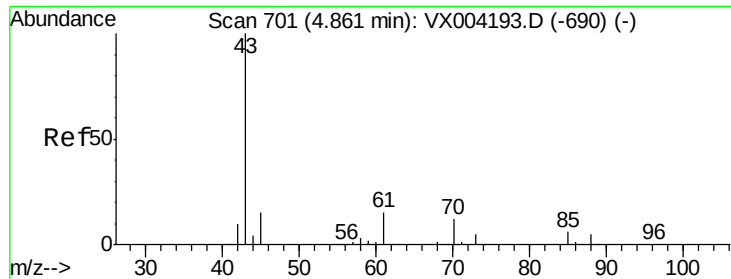
MMDadoda
 9/4/2018 12:10:35 PM



#36
 1,1-Dichloropropene
 Concen: 45.09 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	175076		
110	36.8	18.0	54.0	
77	31.4	24.6	36.8	





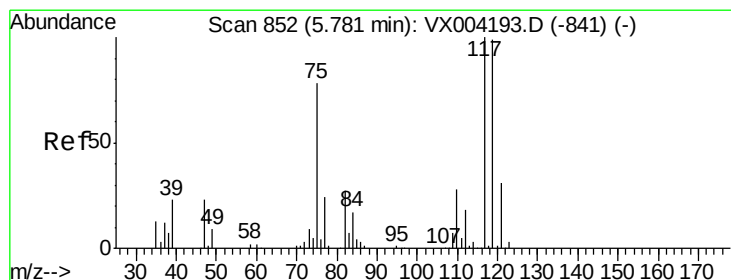
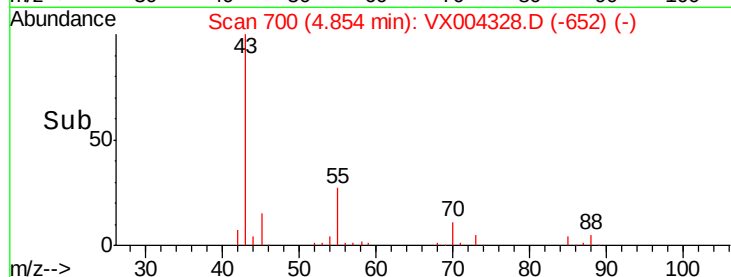
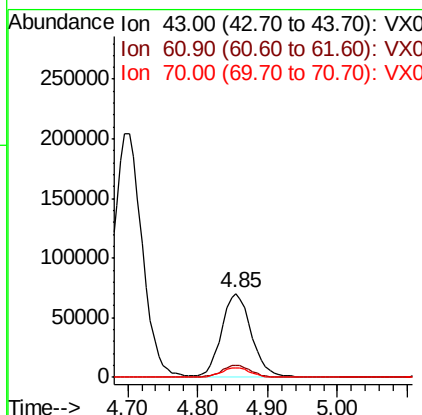
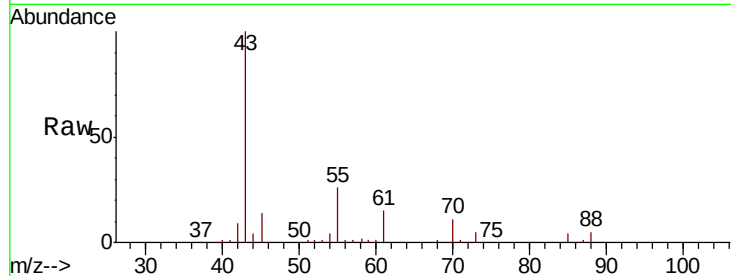
#37
Ethyl Acetate
Concen: 54.26 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	11.4	9.0	13.6

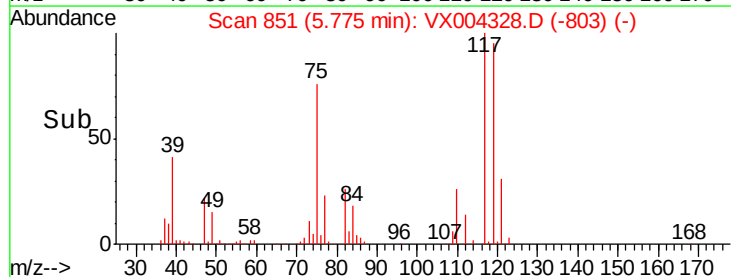
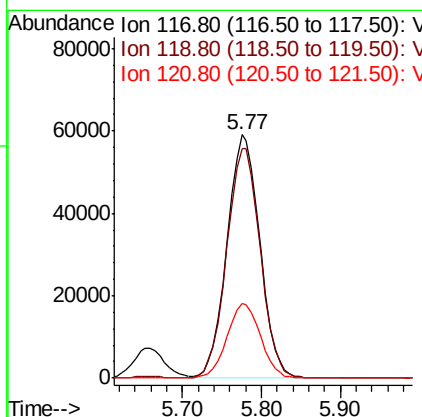
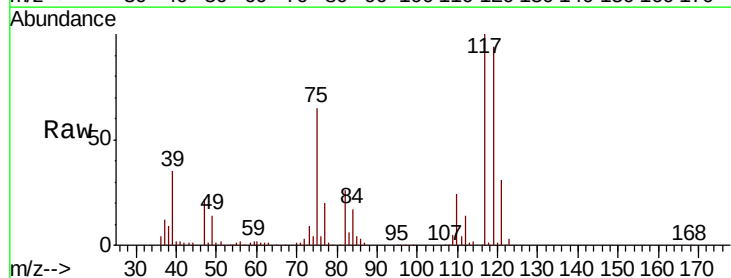
Manual Integrations
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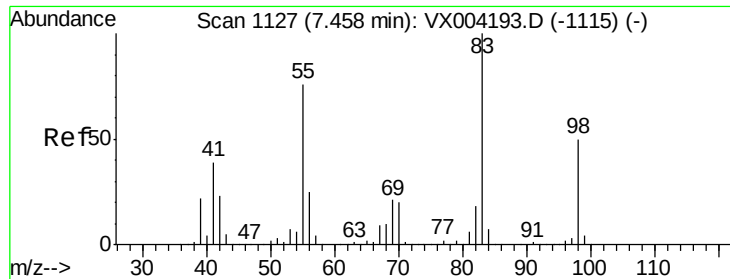
MMDadoda
9/4/2018 12:10:35 PM



#38
Carbon Tetrachloride
Concen: 46.97 ug/l
RT: 5.77 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	78.8	118.2
121	30.8	24.9	37.3





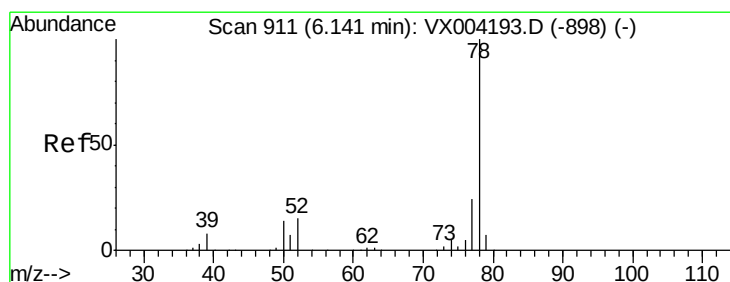
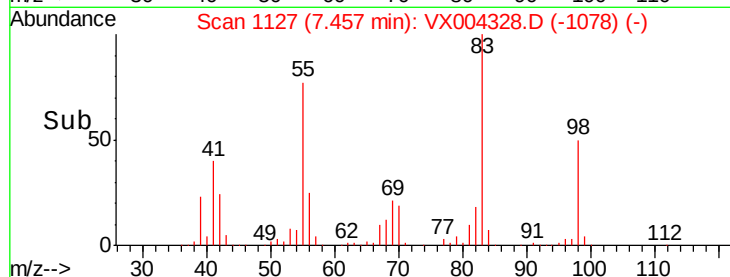
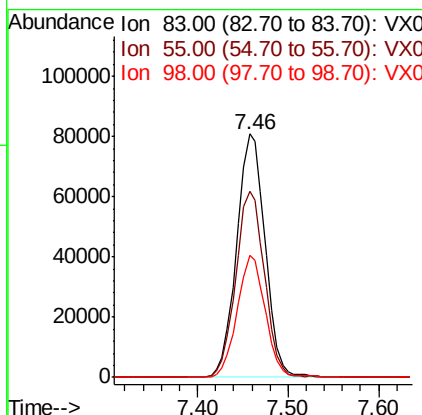
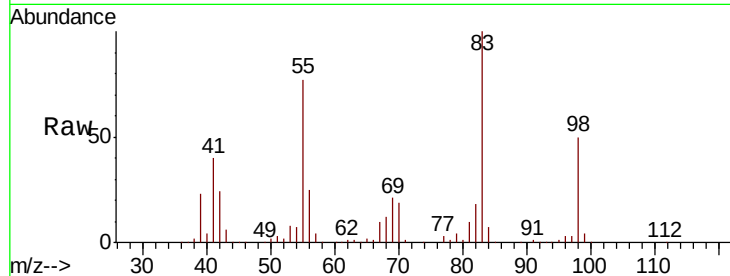
#39
Methylvlcyclohexane
Concen: 39.69 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	175982		
55	76.6		61.0	91.4
98	50.0		39.6	59.4

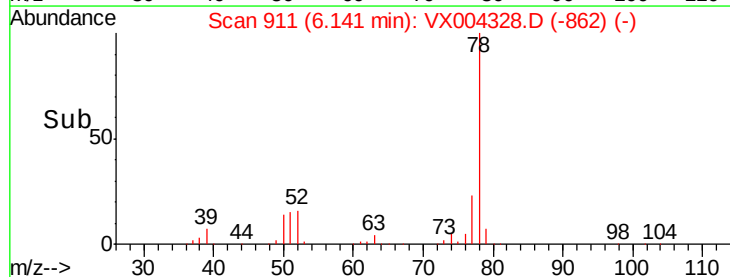
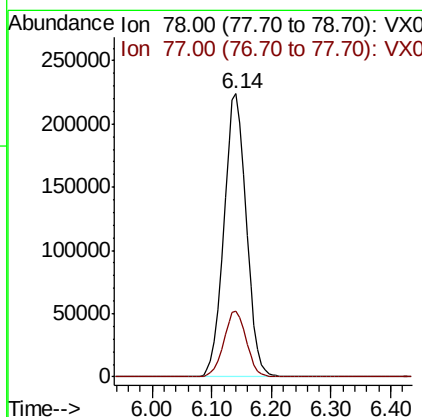
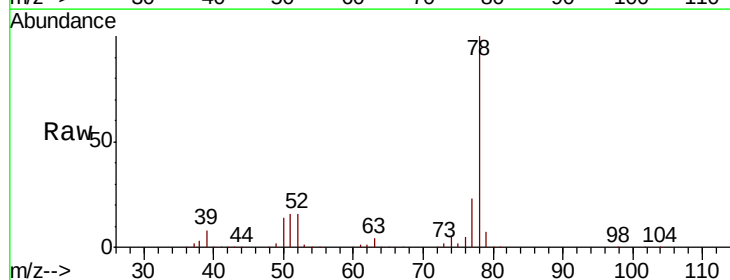
Manual Integrations
APPROVED

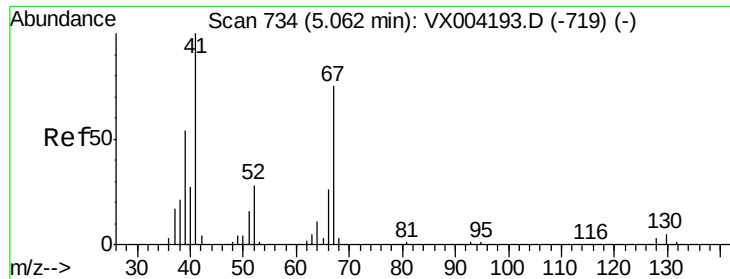
MMDadoda
9/4/2018 12:10:35 PM



#40
Benzene
Concen: 50.43 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	585105		
77	23.4		19.0	28.4





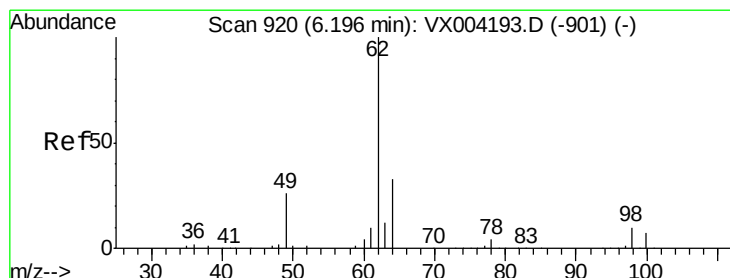
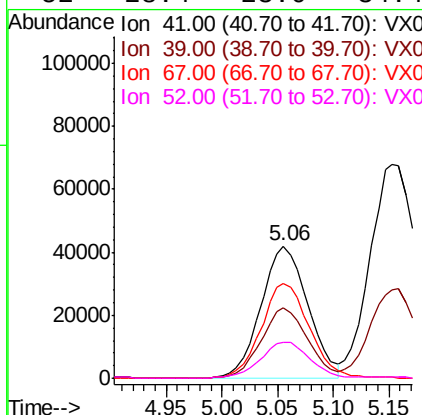
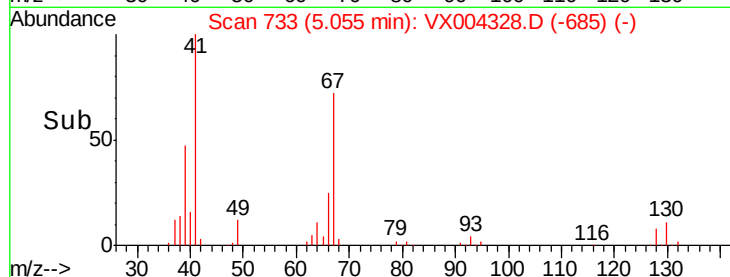
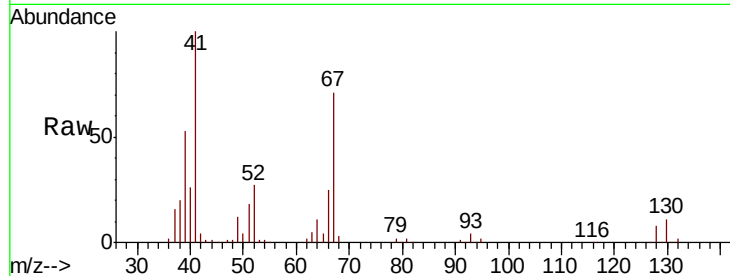
#41
Methacrylonitrile
Concen: 55.61 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	42.4	63.6
67	74.2	59.2	88.8
52	28.4	23.0	34.4

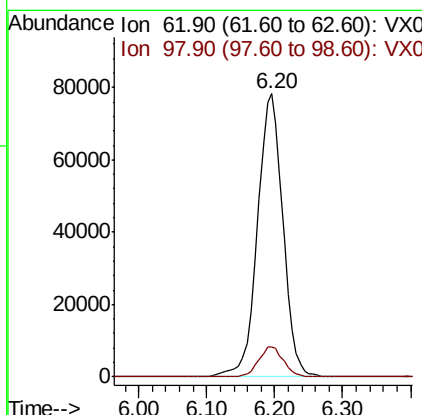
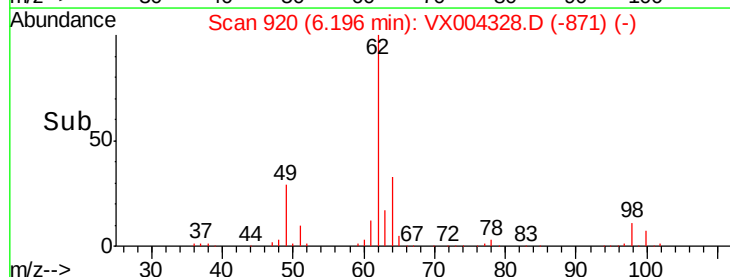
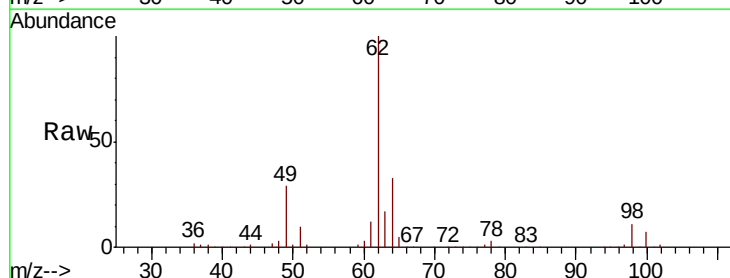
Manual Integrations
APPROVED

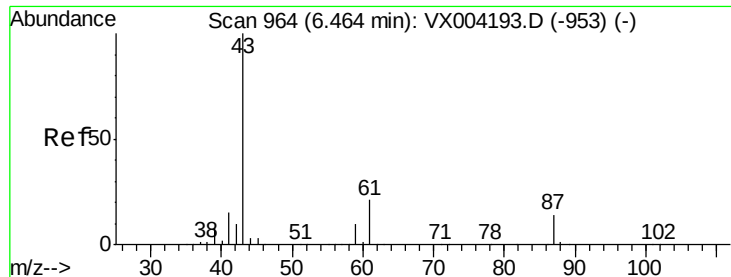
MMDadoda
9/4/2018 12:10:35 PM



#42
1,2-Dichloroethane
Concen: 51.67 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





#43

Isopropyl Acetate

Concen: 53.88 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

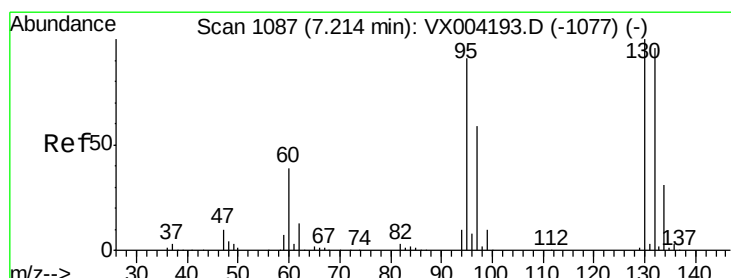
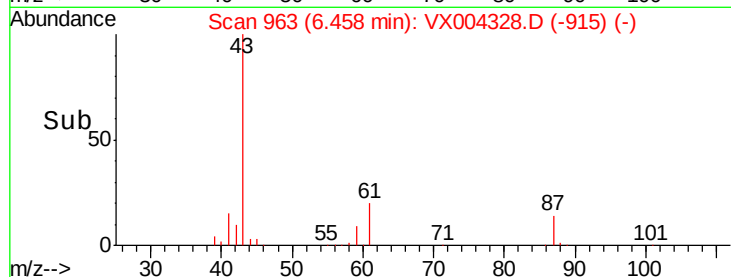
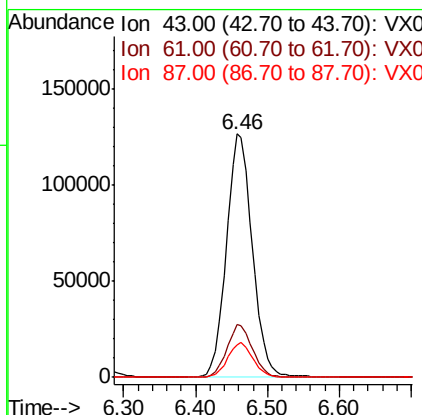
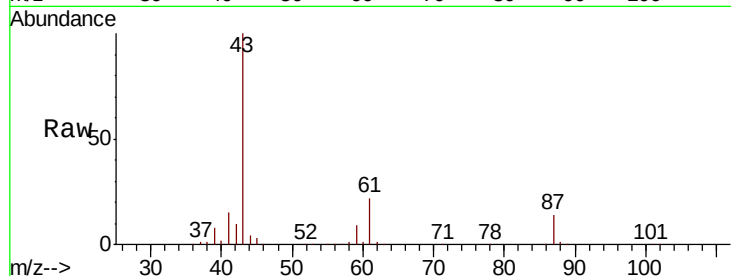
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	316172
Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.0	25.4
87	14.0	11.4	17.2

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#44

Trichloroethene

Concen: 47.42 ug/l

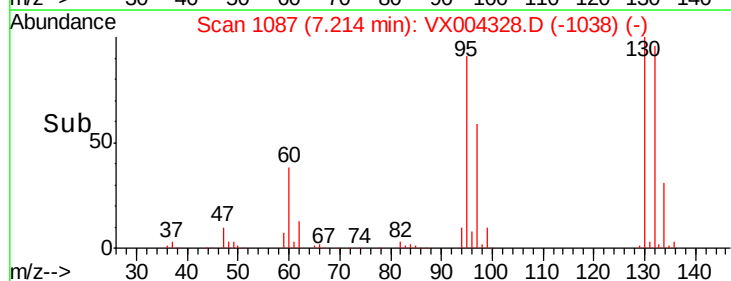
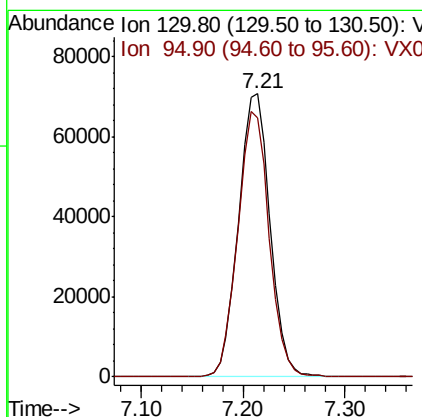
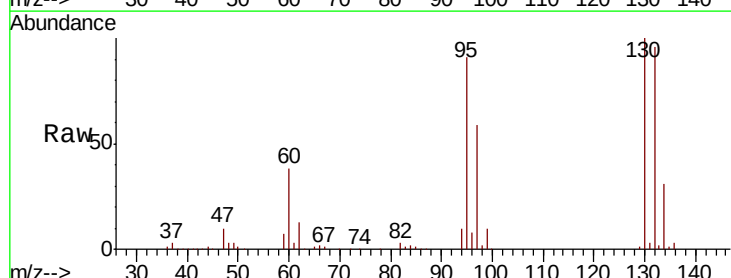
RT: 7.21 min Scan# 1087

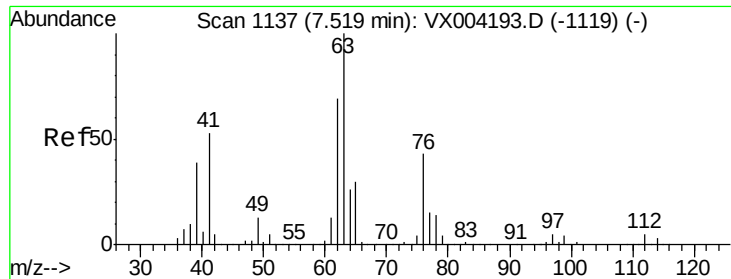
Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Tgt Ion:	130	Resp:	152309
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	181.6





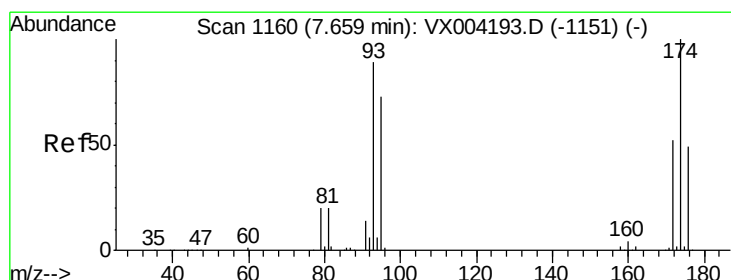
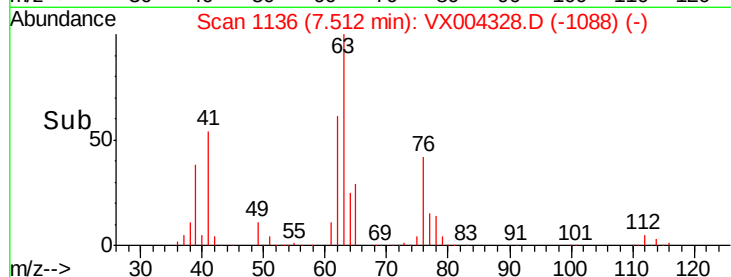
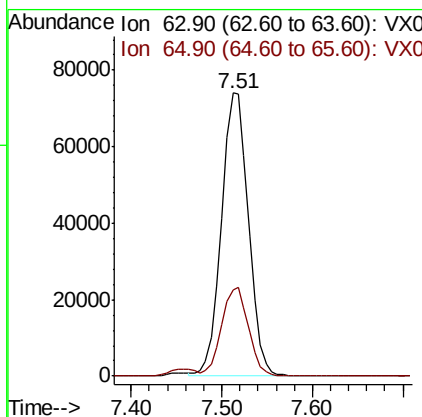
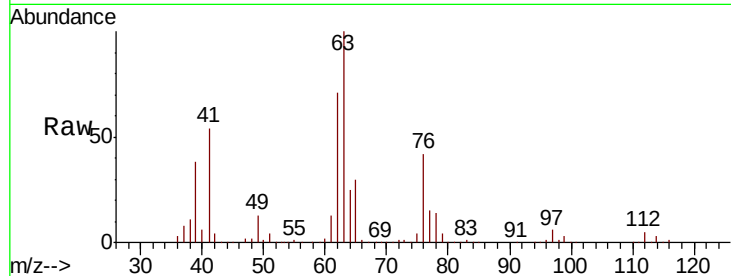
#45
 1,2-Dichloropropane
 Concen: 52.98 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.3	36.5

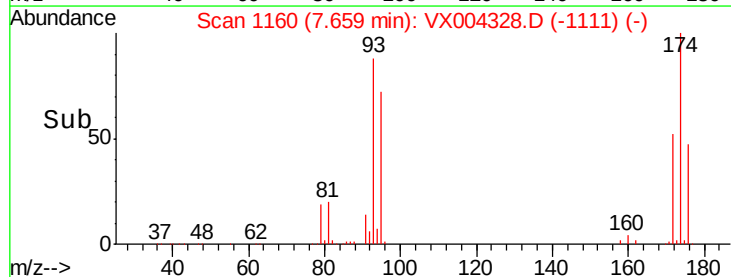
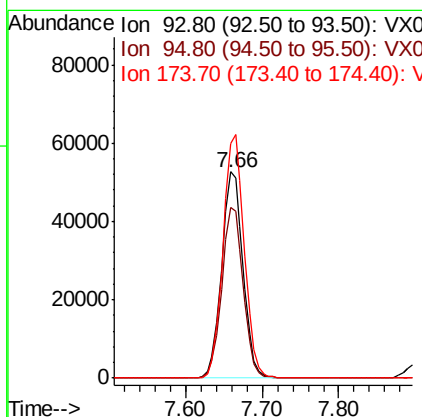
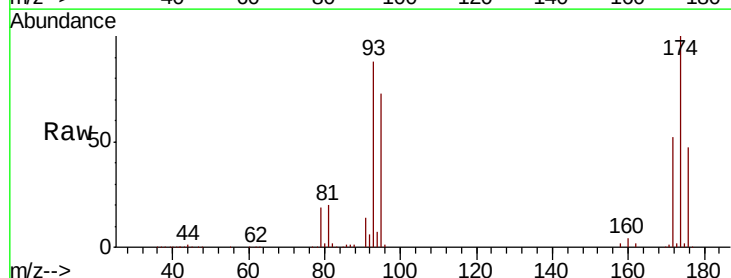
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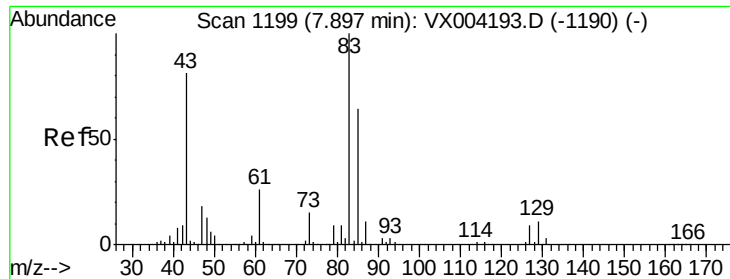
MMDadoda
 9/4/2018 12:10:35 PM



#46
 Dibromomethane
 Concen: 52.28 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.5	98.3
174	117.7	94.2	141.4





#47

Bromodichloromethane

Concen: 53.68 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

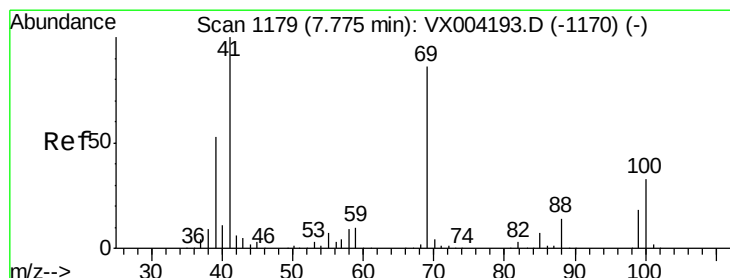
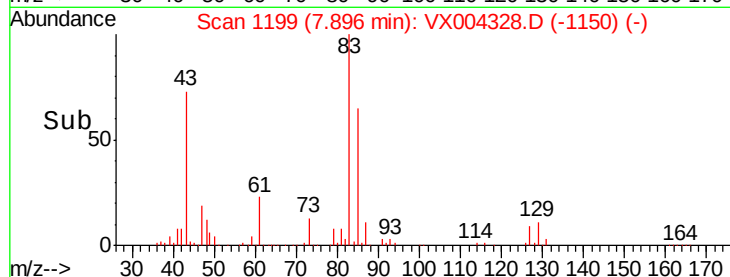
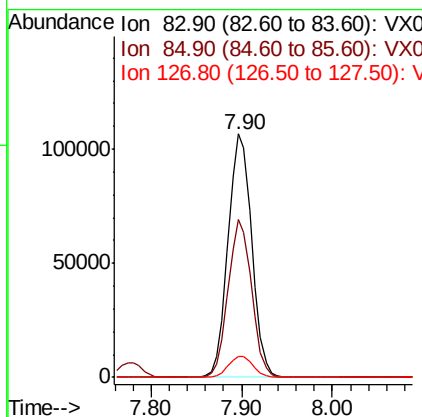
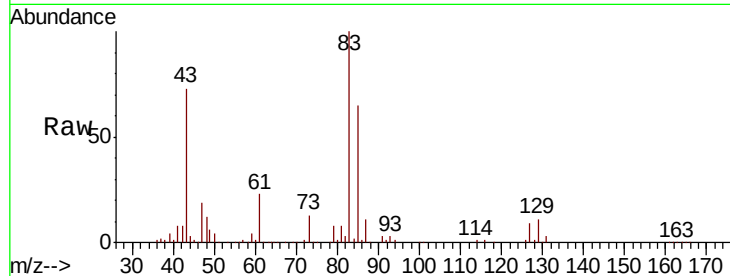
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	193144
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.9	76.3
127	8.7	7.3	10.9

Manual Integrations
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MMDadoda
9/4/2018 12:10:35 PM



#48

Methyl methacrylate

Concen: 55.92 ug/l

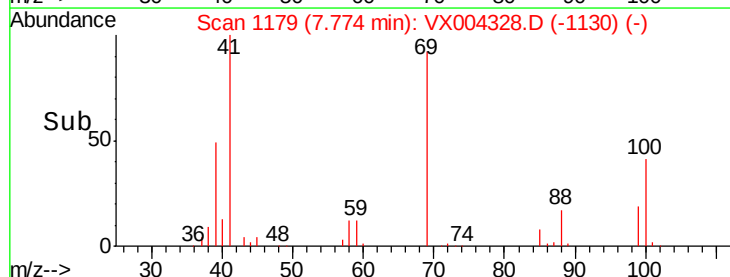
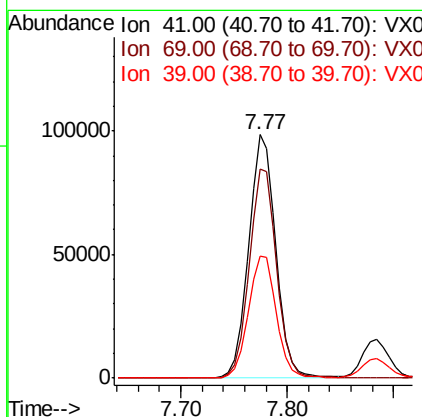
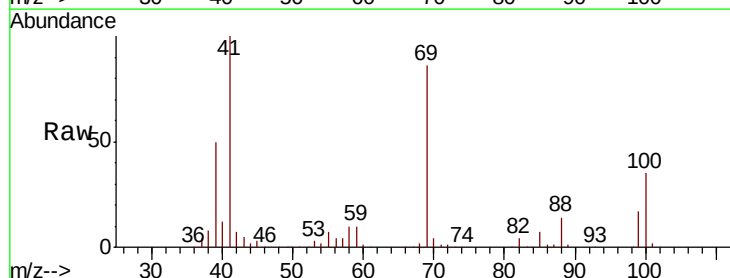
RT: 7.77 min Scan# 1179

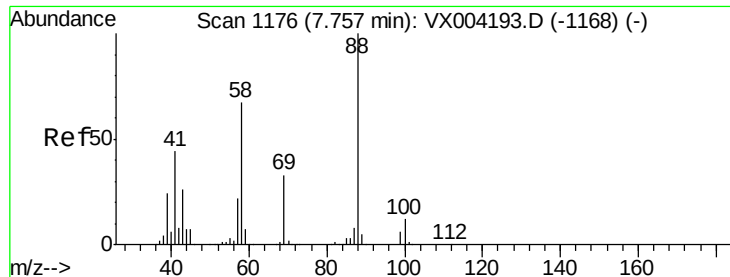
Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Tgt Ion:	41	Resp:	175598
Ion Ratio	Lower	Upper	
41	100		
69	87.2	70.2	105.4
39	52.1	42.7	64.1





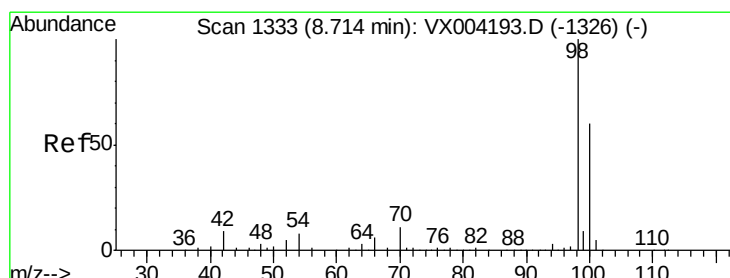
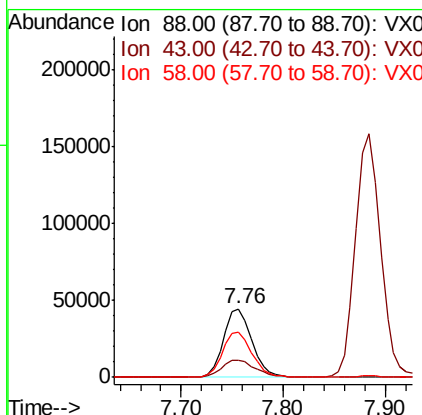
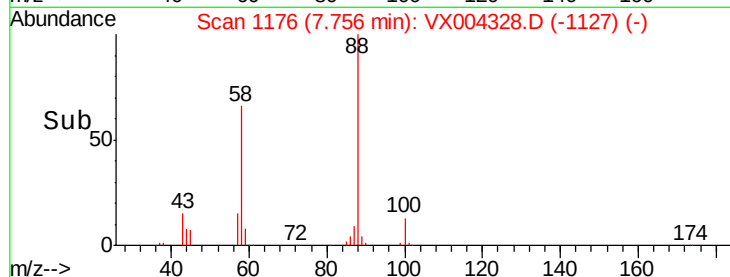
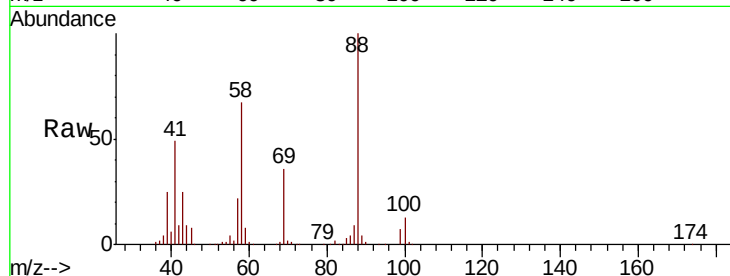
#49
 1,4-Dioxane
 Concen: 1204.37 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	24.7	37.1
58	68.7	55.3	82.9

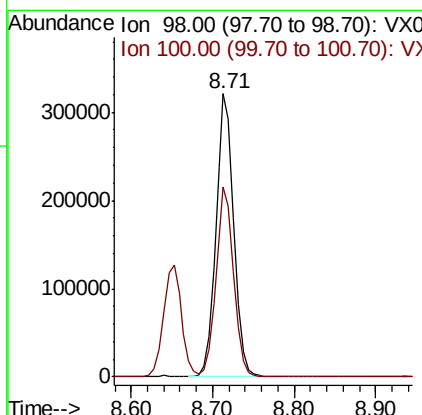
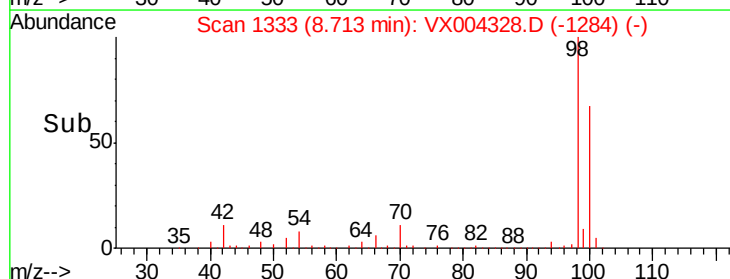
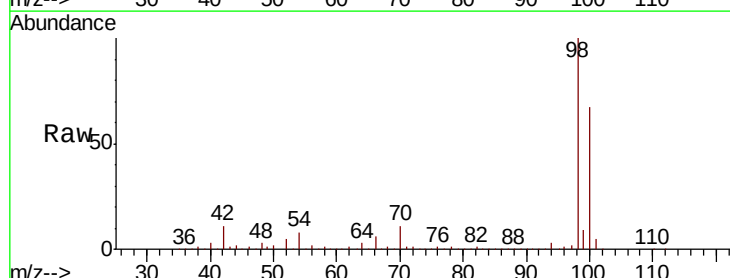
Manual Integrations
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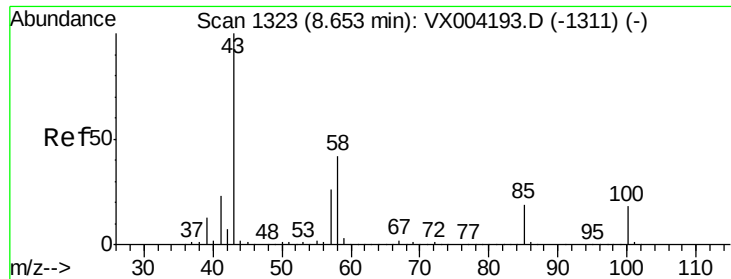
MMDadoda
 9/4/2018 12:10:35 PM



#50
 Toluene-d8
 Concen: 50.61 ug/l
 RT: 8.71 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.9	79.3





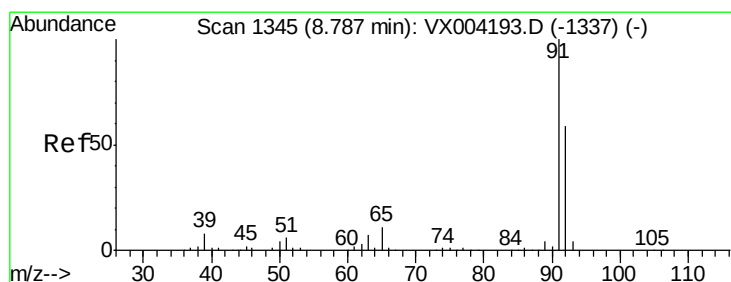
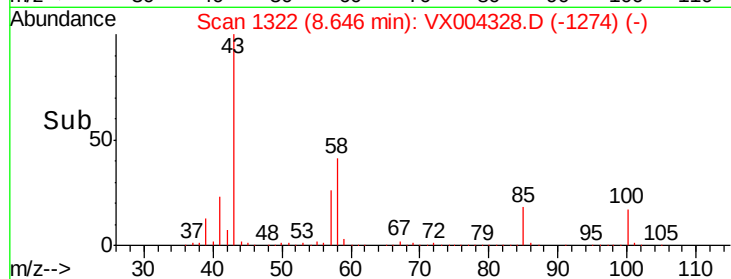
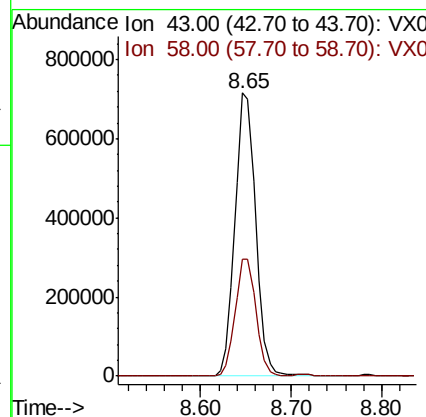
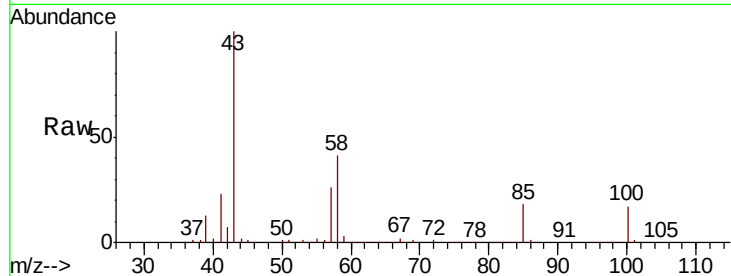
#51
4-Methyl-2-Pentanone
Concen: 267.22 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1139327
Ion Ratio Lower Upper
43 100
58 41.4 33.1 49.7

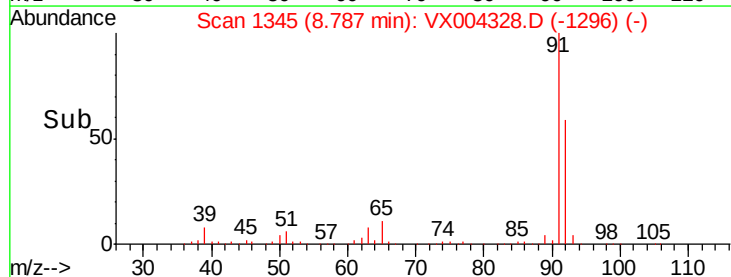
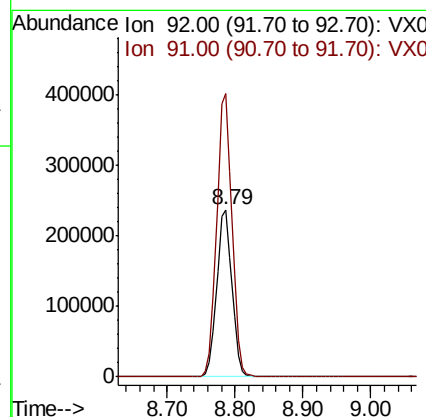
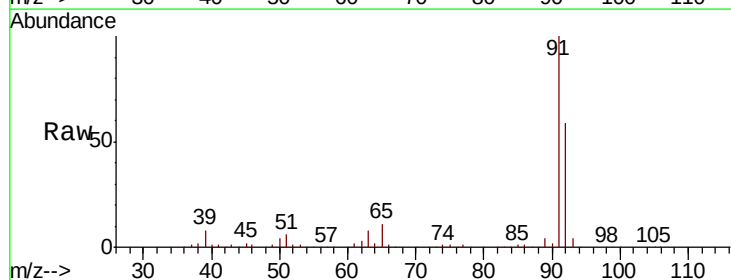
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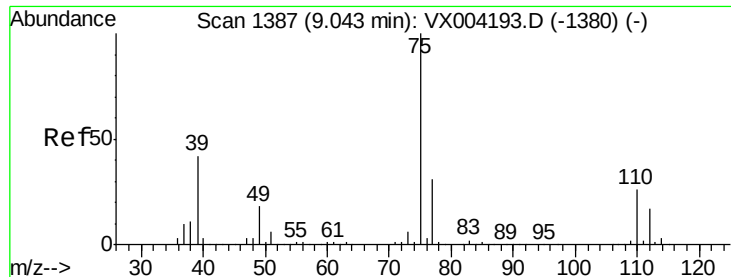
MMDadoda
9/4/2018 12:10:35 PM



#52
Toluene
Concen: 50.93 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion: 92 Resp: 369924
Ion Ratio Lower Upper
92 100
91 170.1 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 52.93 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 210348

Ion Ratio Lower Upper

75 100

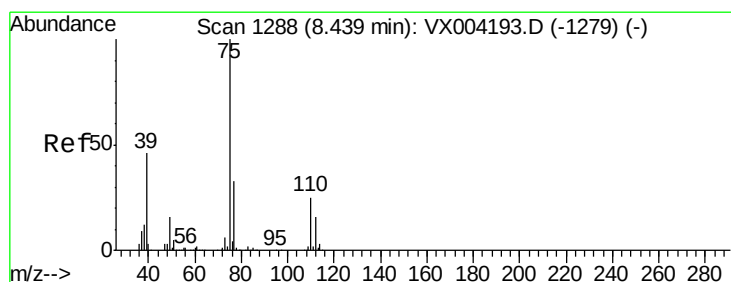
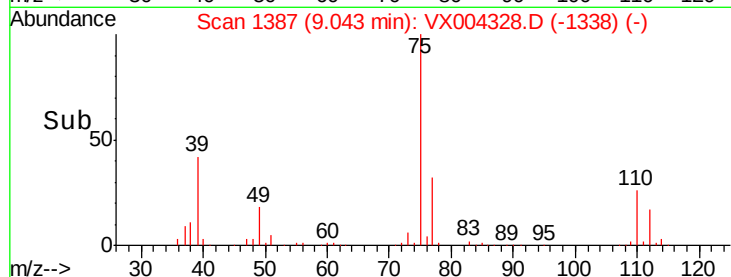
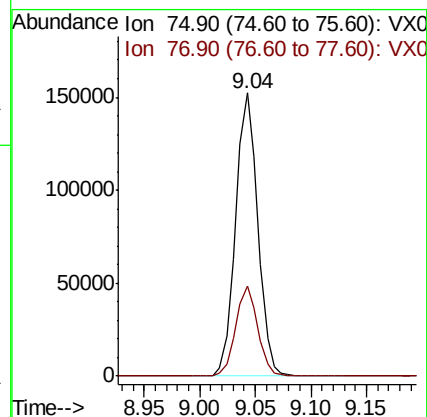
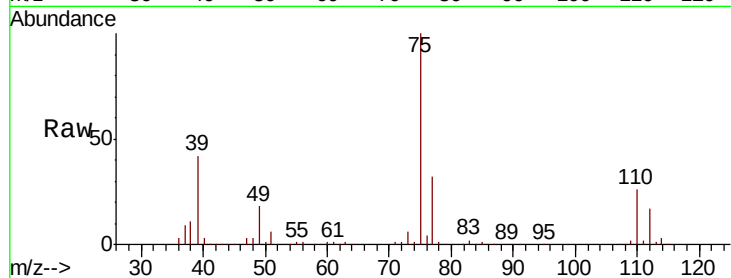
77 31.8 24.6 37.0

Manual Integrations

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9/4/2018 12:10:35 PM



#54

cis-1,3-Dichloropropene

Concen: 53.70 ug/l

RT: 8.43 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

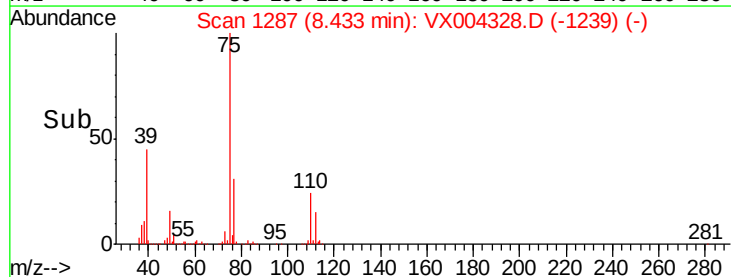
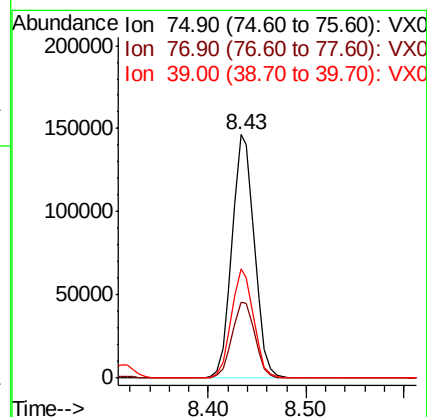
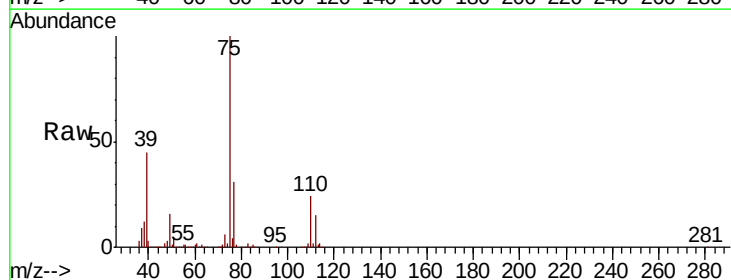
Tgt Ion: 75 Resp: 232432

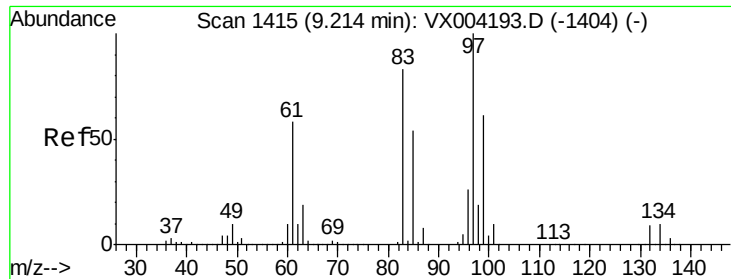
Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.2

39 44.9 36.4 54.6





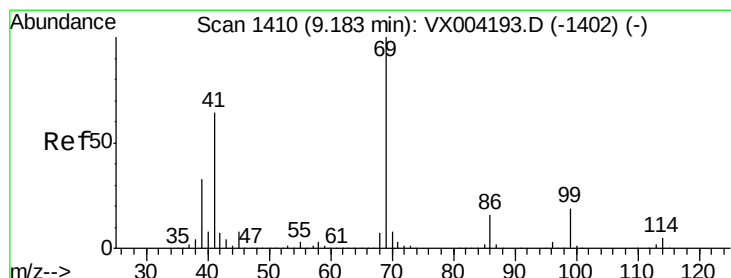
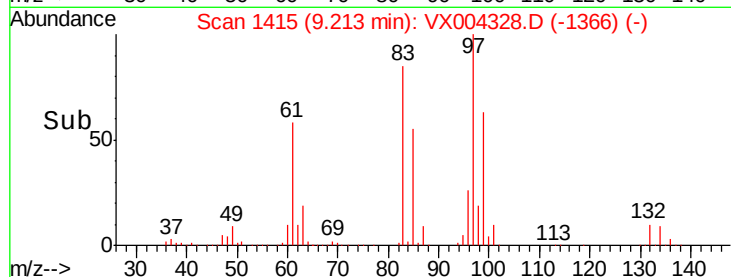
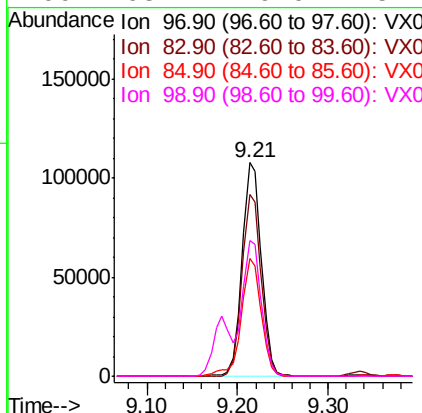
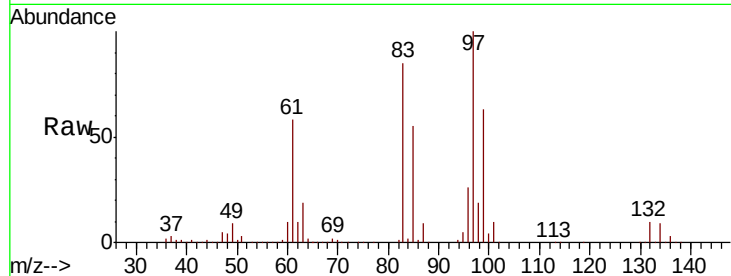
#55
 1,1,2-Trichloroethane
 Concen: 54.23 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		158987		
83	85.3	66.4	99.6		
85	54.9	43.3	64.9		
99	63.4	49.0	73.4		

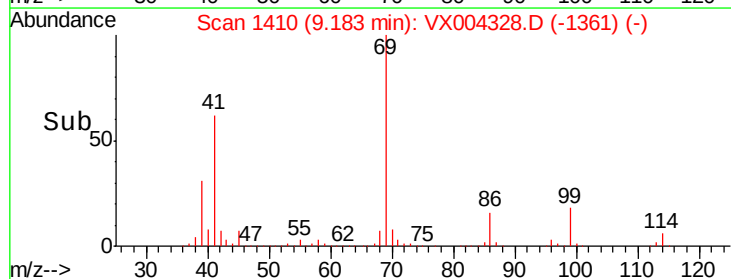
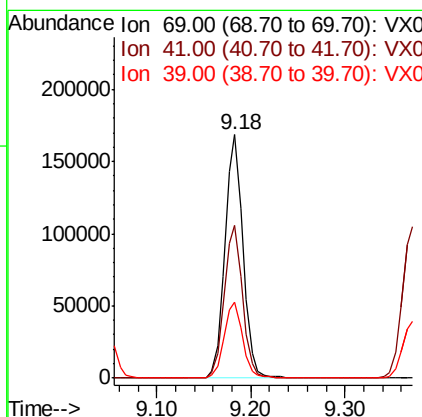
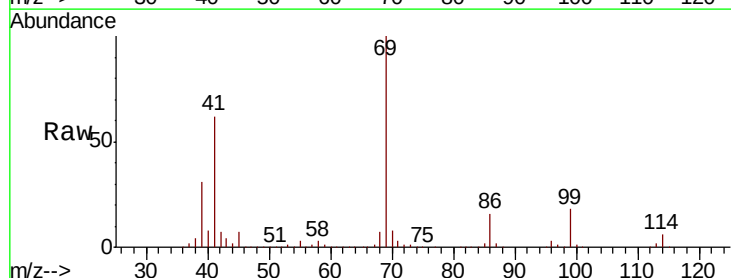
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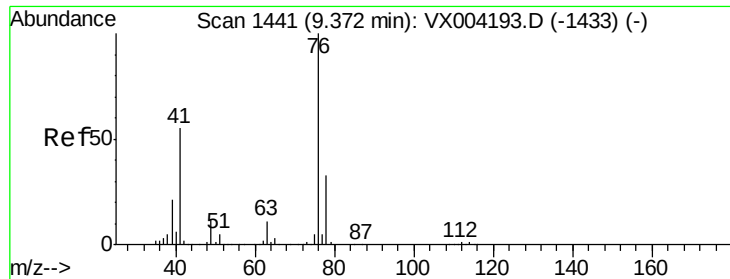
MMDadoda
 9/4/2018 12:10:35 PM



#56
 Ethyl methacrylate
 Concen: 55.95 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		223294		
41	63.5	51.0	76.4		
39	31.7	26.1	39.1		





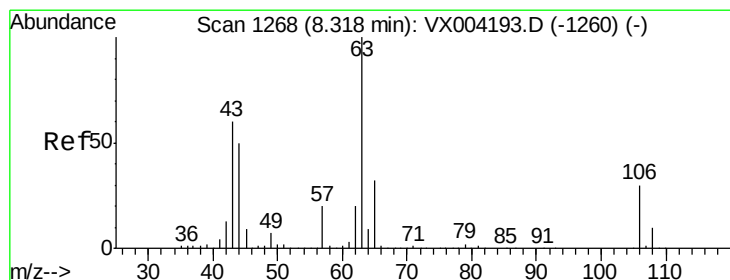
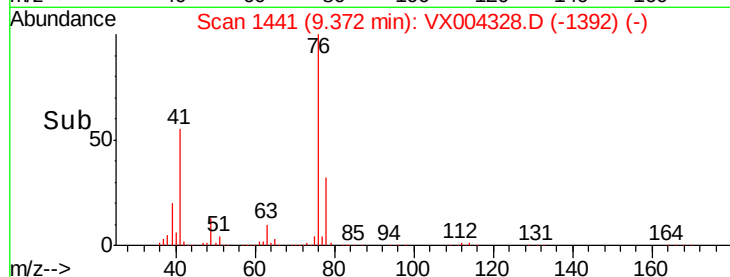
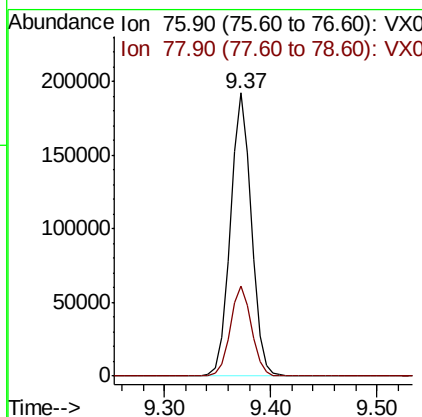
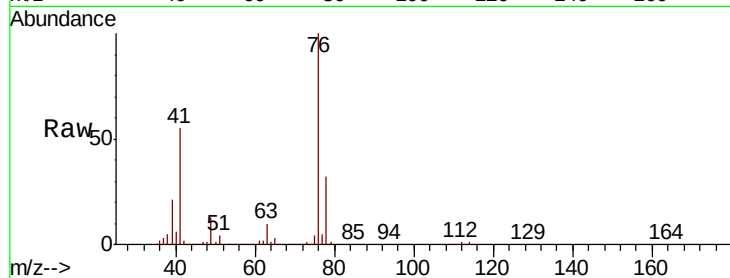
#57
 1,3-Dichloropropane
 Concen: 53.86 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

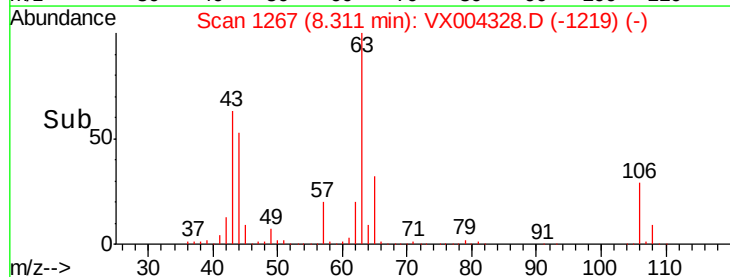
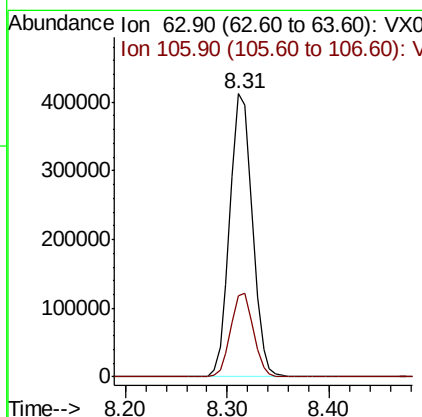
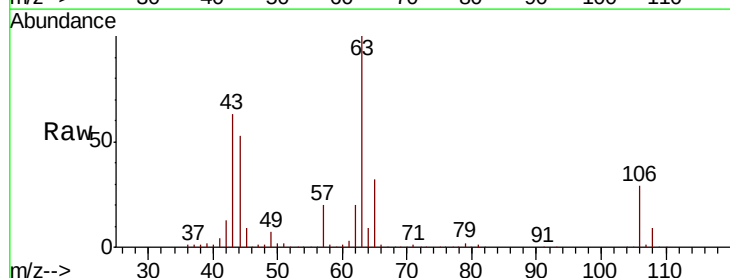
Manual Integrations
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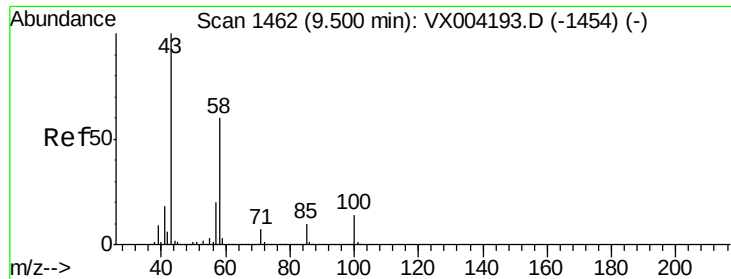
MMDadoda
 9/4/2018 12:10:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 308.58 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.9	35.9





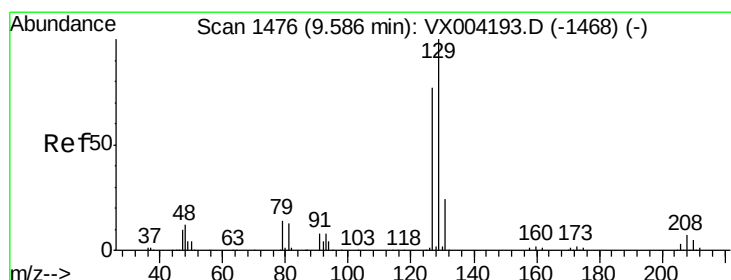
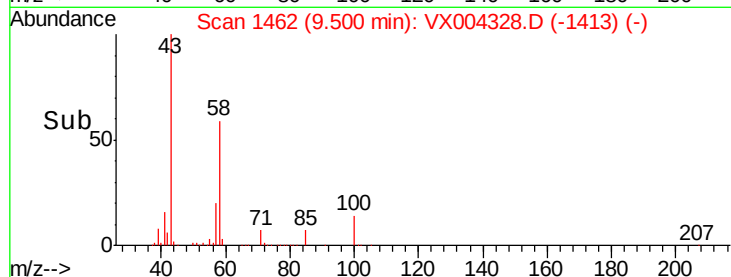
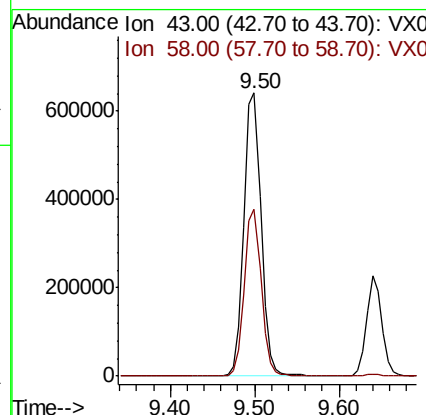
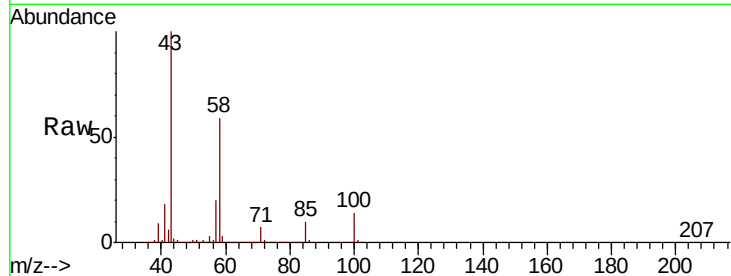
#59
2-Hexanone
Concen: 268.62 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 873747
Ion Ratio Lower Upper
43 100
58 57.9 29.0 87.0

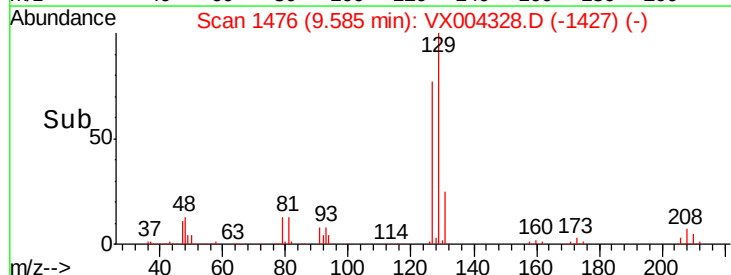
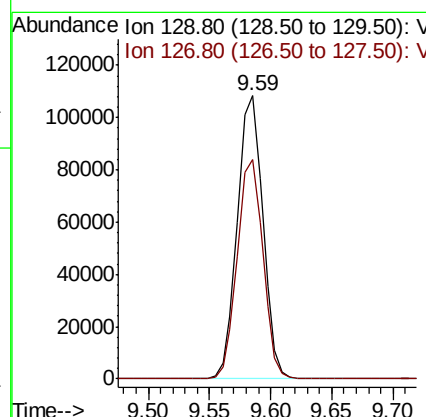
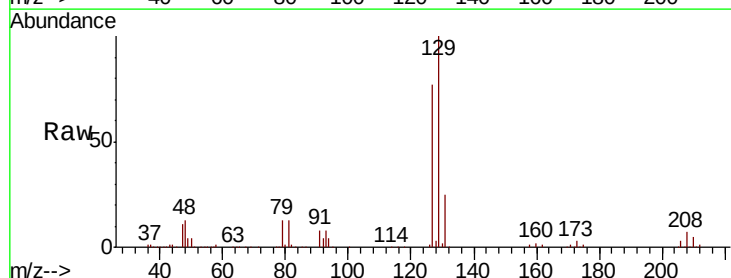
Manual Integrations
APPROVED

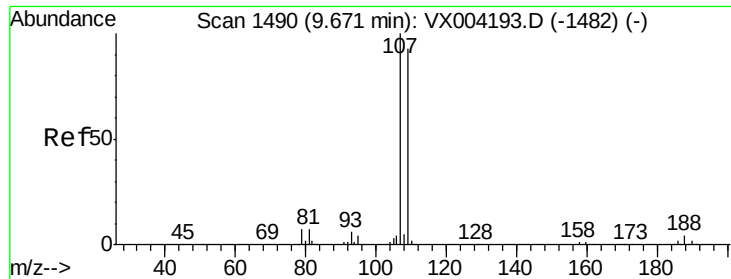
MMDadoda
9/4/2018 12:10:35 PM



#60
Dibromochloromethane
Concen: 54.64 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion: 129 Resp: 156078
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 53.60 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 162625

Ion Ratio Lower Upper

107 100

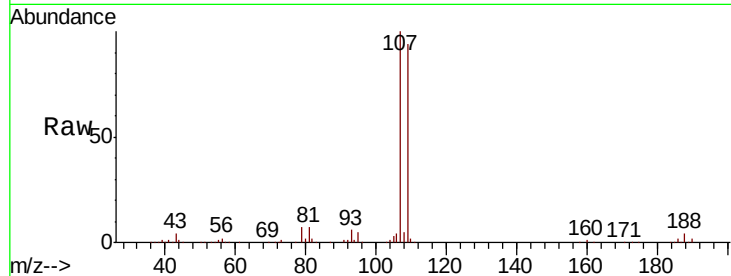
109 94.2 76.0 114.0

Manual Integrations

APPROVED

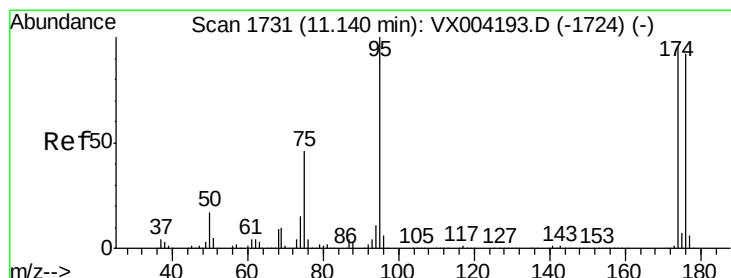
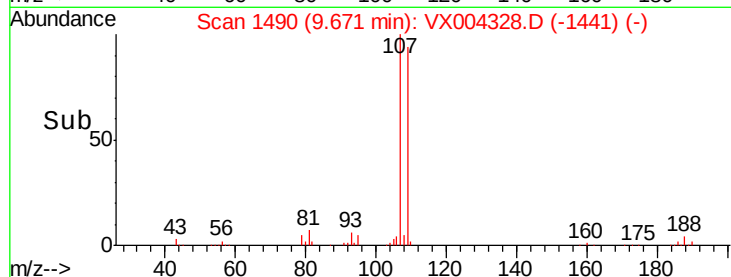
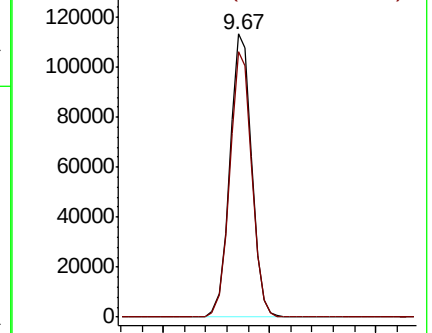
MMDadoda

9/4/2018 12:10:35 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.47 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

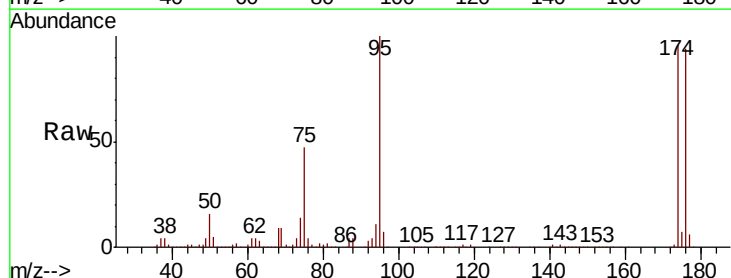
Tgt Ion: 95 Resp: 186258

Ion Ratio Lower Upper

95 100

174 92.9 0.0 185.2

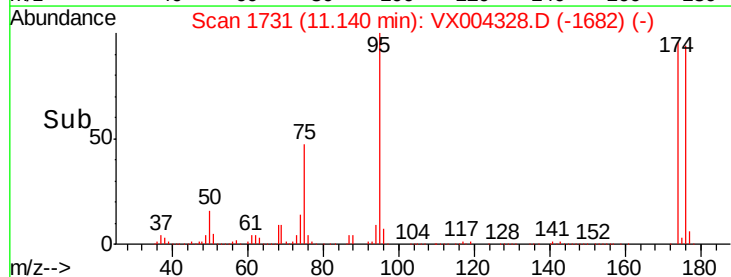
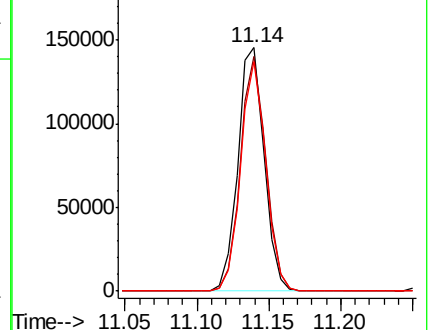
176 89.8 0.0 178.6

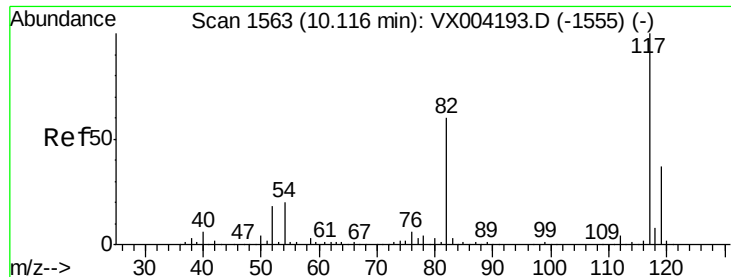


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

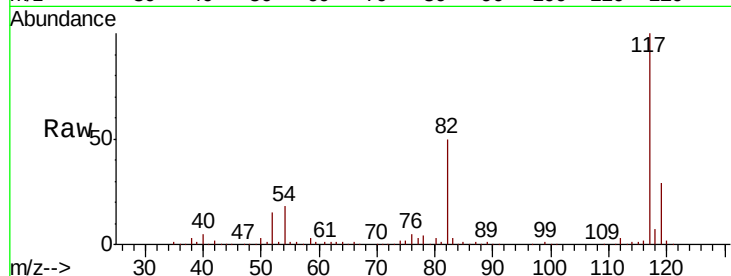
ClientSampleId :

VSTDCCC050

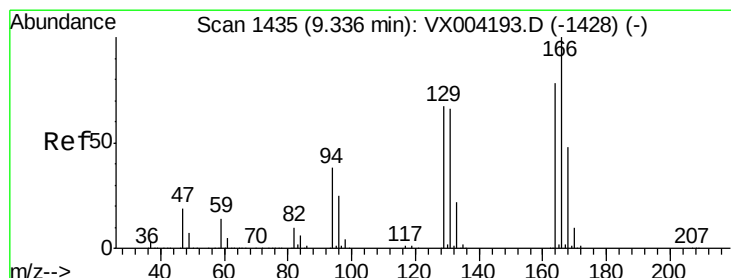
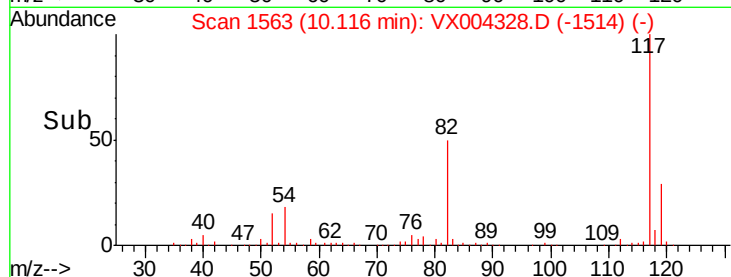
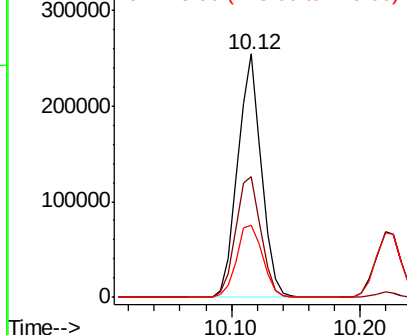
Tot Ion:	117	Resp:	323389
Ion Ratio	Lower	Upper	
117	100		
82	49.8	47.8	71.6
119	29.4	29.3	43.9

Manual Integrations
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 48.73 ug/l

RT: 9.34 min Scan# 1435

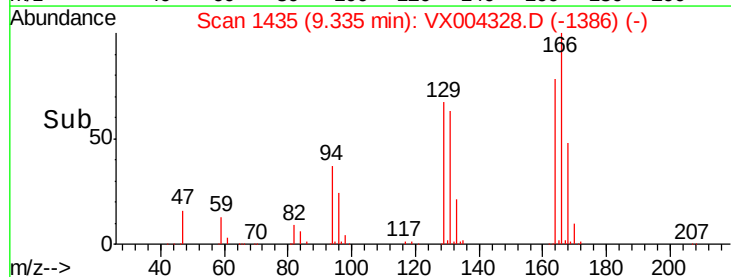
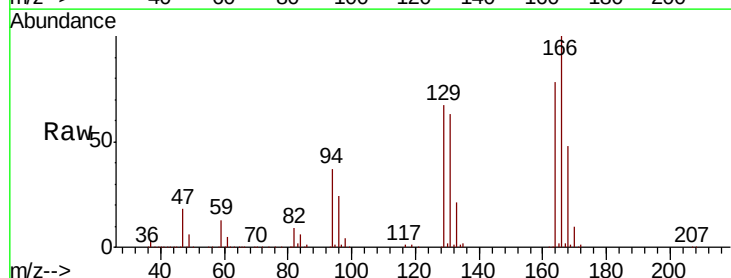
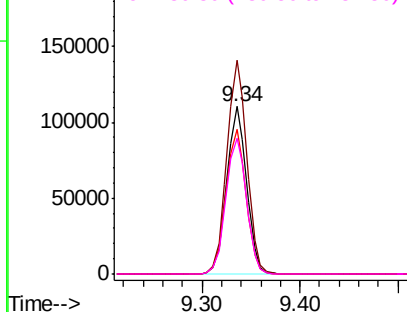
Delta R.T. -0.00 min

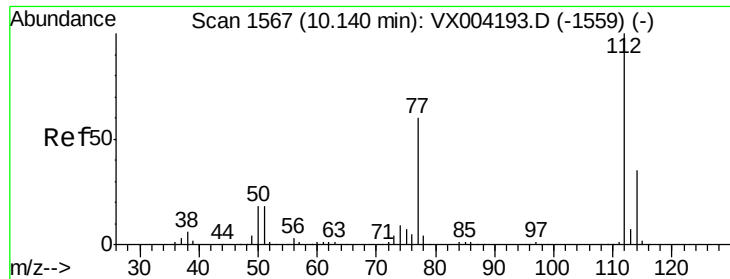
Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Tgt Ion:	164	Resp:	155675
Ion Ratio	Lower	Upper	
164	100		
166	127.8	102.8	154.2
129	86.3	69.4	104.0
131	80.9	67.9	101.9

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





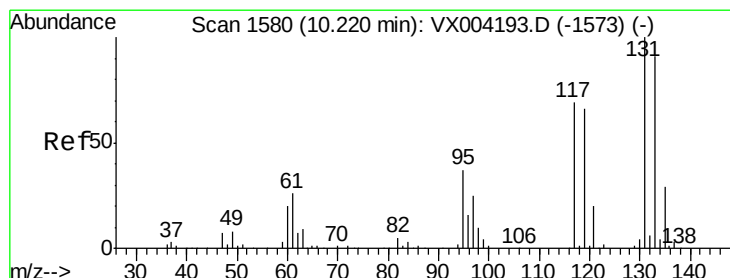
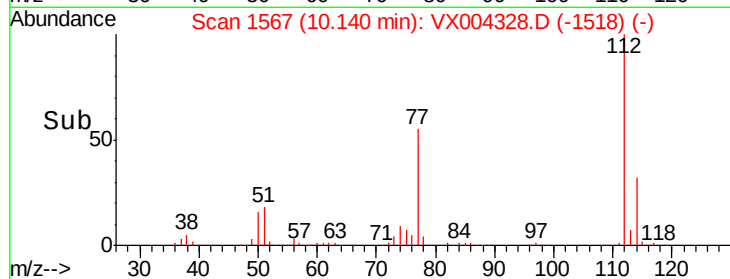
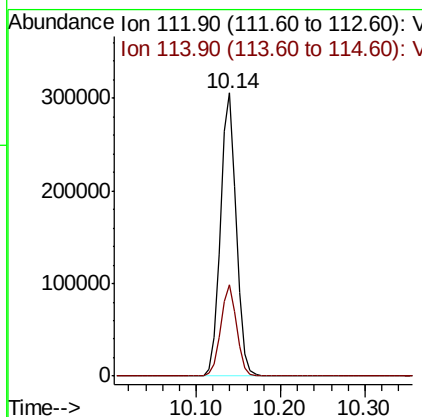
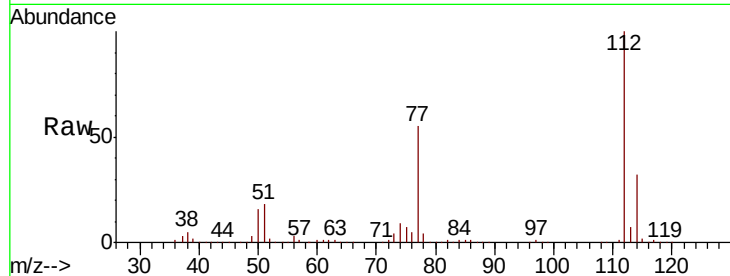
#65
Chlorobenzene
Concen: 48.95 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.8	41.8

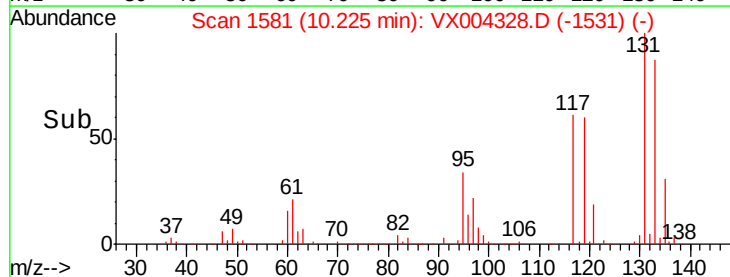
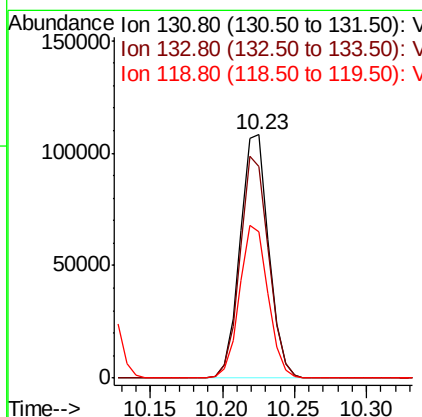
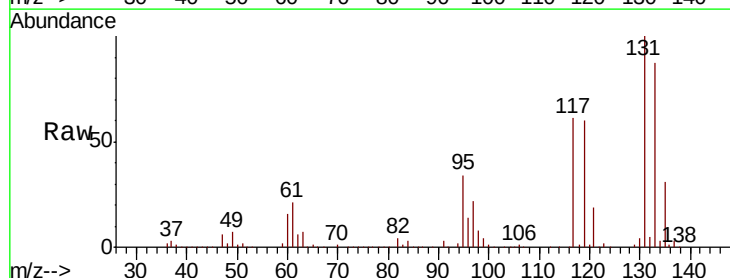
Manual Integrations
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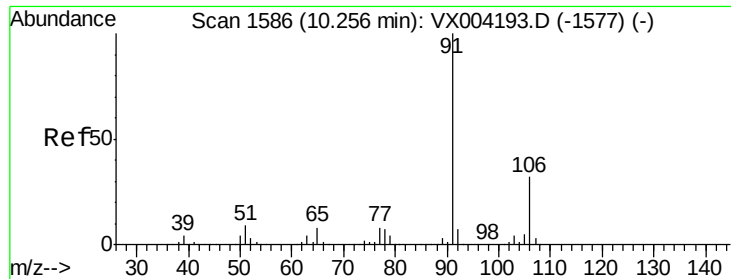
MMDadoda
9/4/2018 12:10:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.31 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.0	48.1	144.4
119	62.5	32.9	98.6





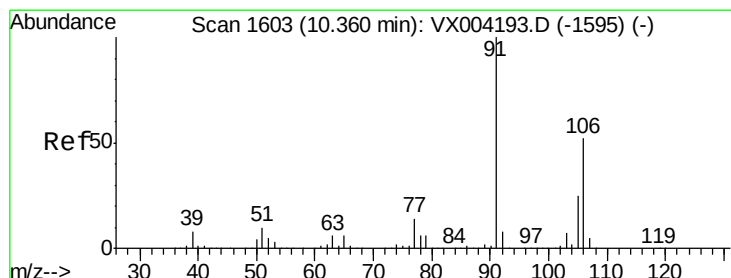
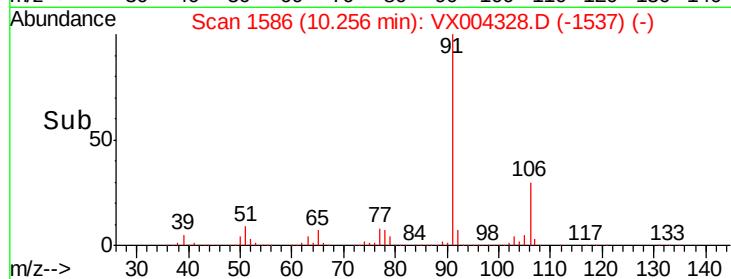
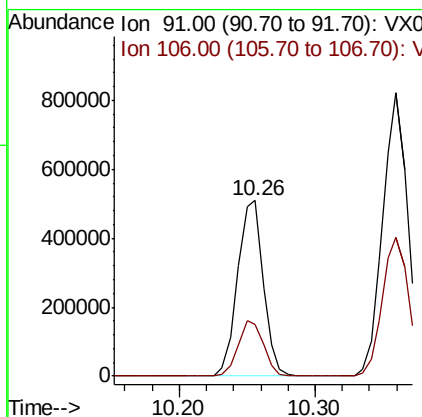
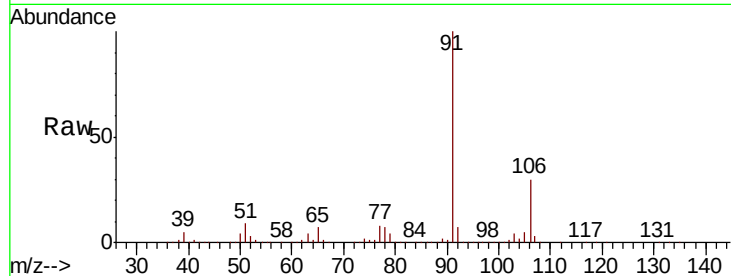
#67
Ethyl Benzene
Concen: 51.02 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 672520
Ion Ratio Lower Upper
91 100
106 29.7 25.9 38.9

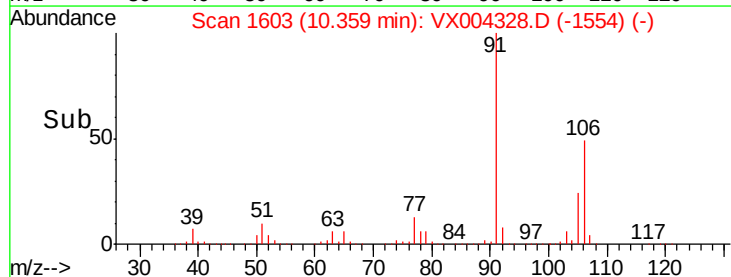
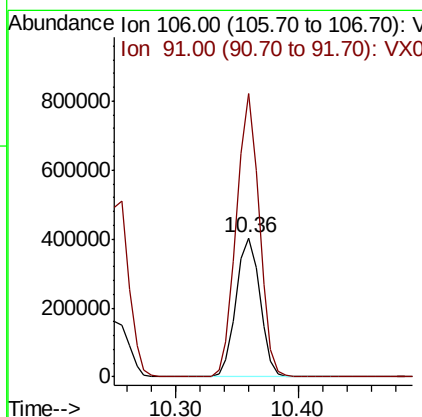
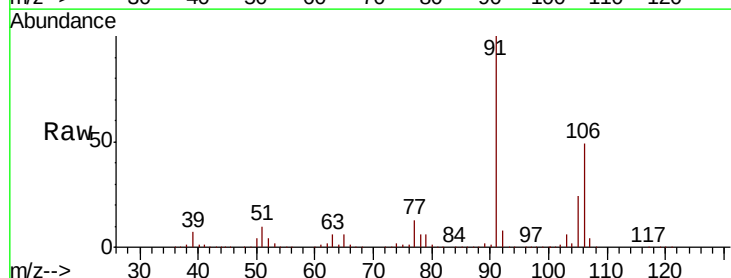
Manual Integrations
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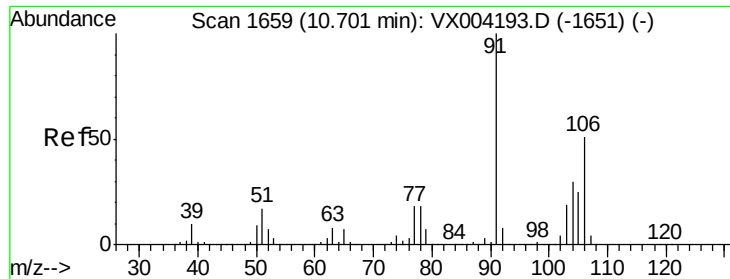
MMDadoda
9/4/2018 12:10:35 PM



#68
m/p-Xylenes
Concen: 105.60 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion: 106 Resp: 544243
Ion Ratio Lower Upper
106 100
91 194.7 157.1 235.7





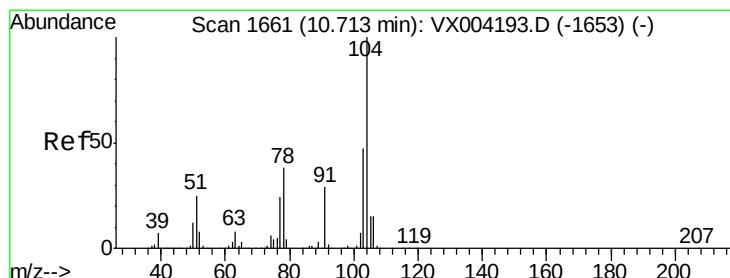
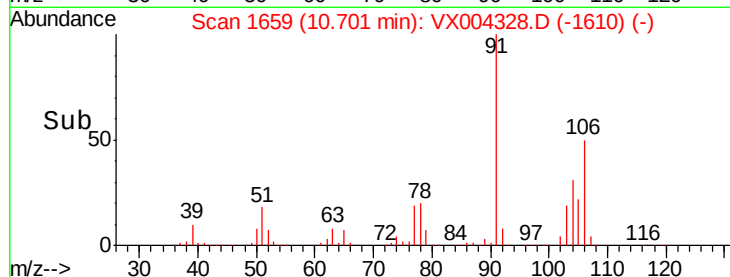
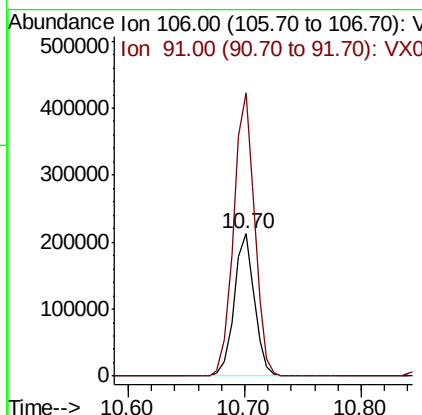
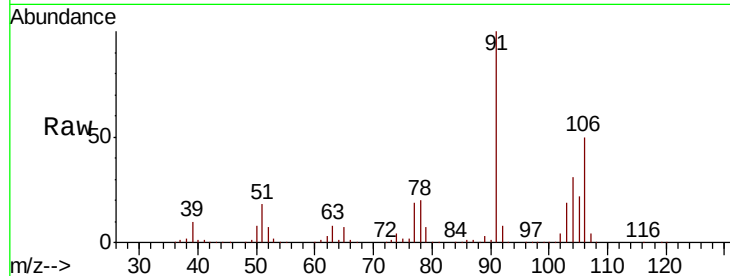
#69
o-Xylene
Concen: 52.96 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.3	105.1	315.1

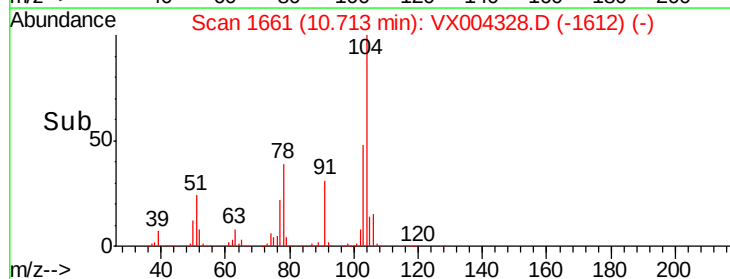
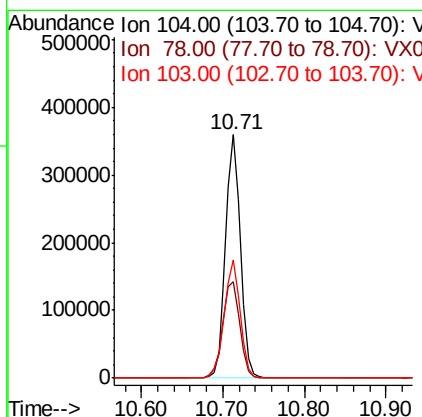
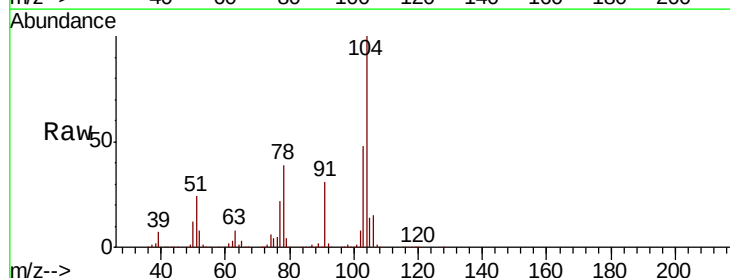
Manual Integrations
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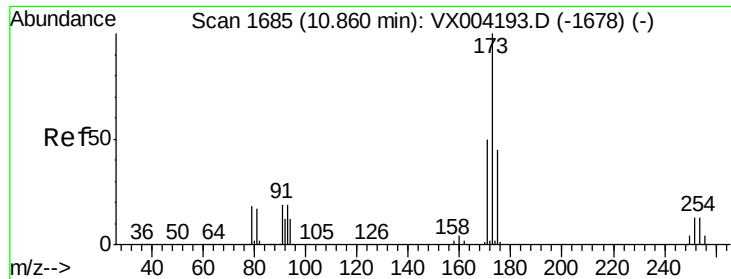
MMDadoda
9/4/2018 12:10:35 PM



#70
Styrene
Concen: 57.27 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.0	37.4	56.0
103	52.0	43.8	65.6





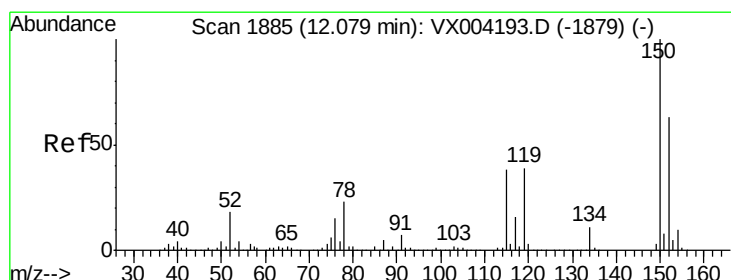
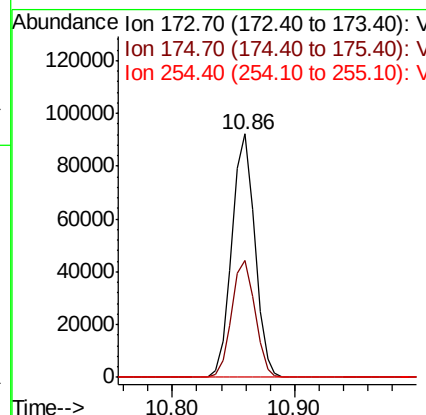
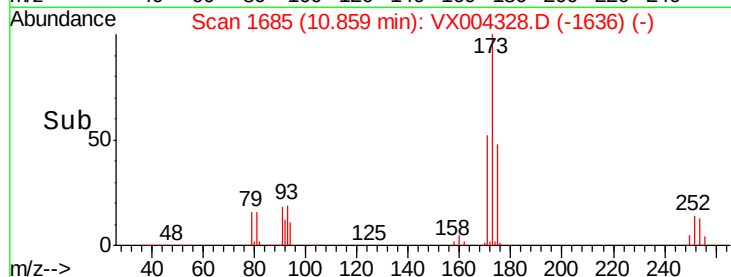
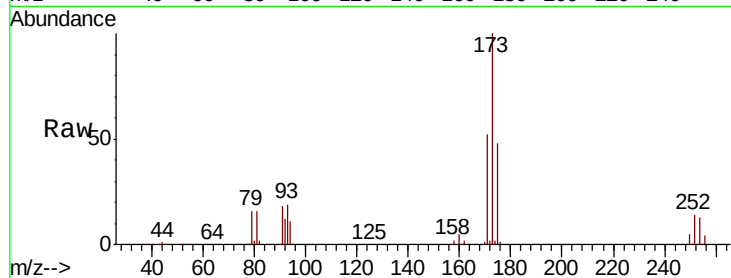
#71
Bromoform
Concen: 52.85 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.2	0.2	0.2

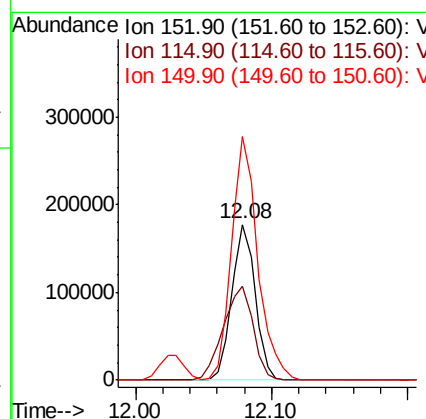
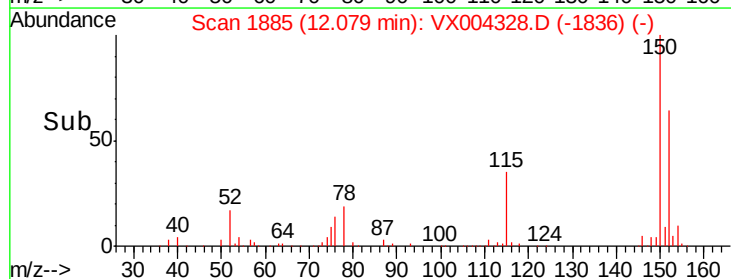
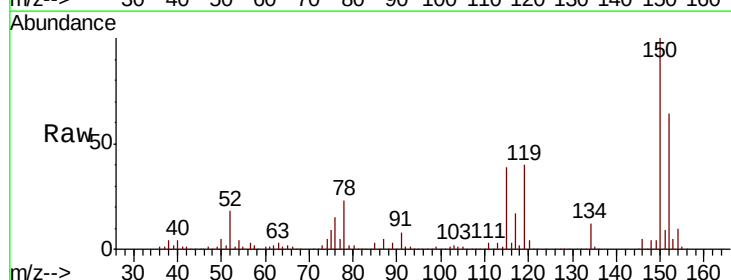
Manual Integrations
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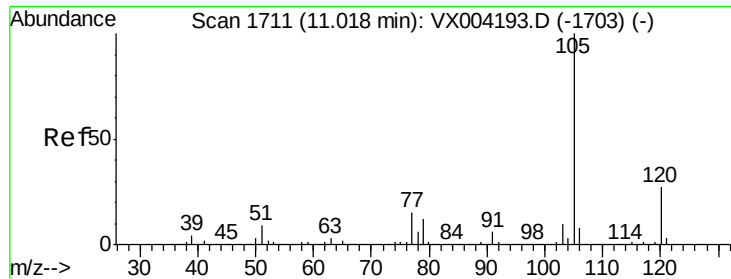
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.0	39.0	117.0
150	174.4	0.0	351.0





#73

Isopropylbenzene

Concen: 50.21 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 699486

Ion Ratio Lower Upper

105 100

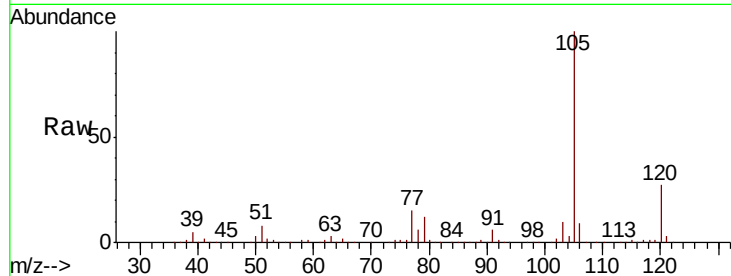
120 27.3 13.5 40.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

200000

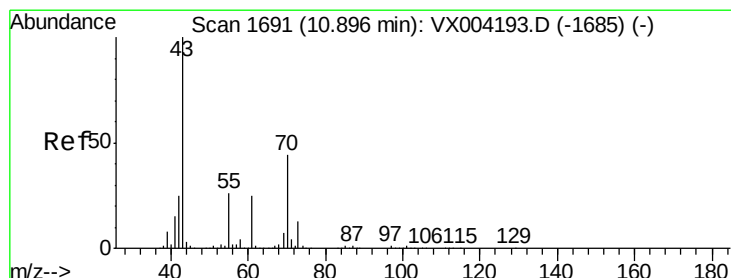
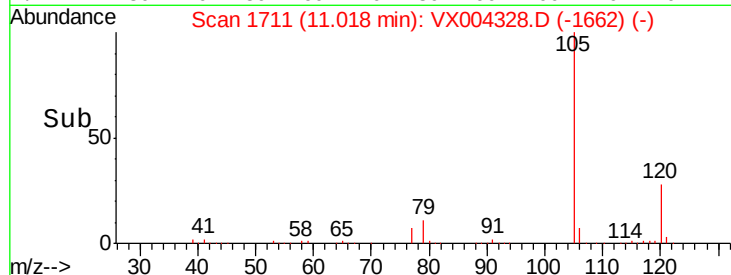
0

11.02

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 51.72 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Tgt Ion: 43 Resp: 277422

Ion Ratio Lower Upper

43 100

70 46.4 37.4 56.0

55 28.1 21.8 32.8

61 25.9 20.6 30.8

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

200000

100000

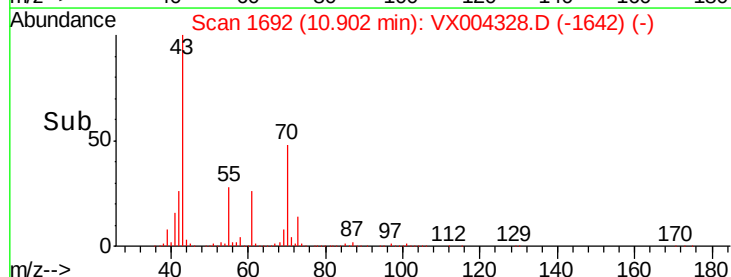
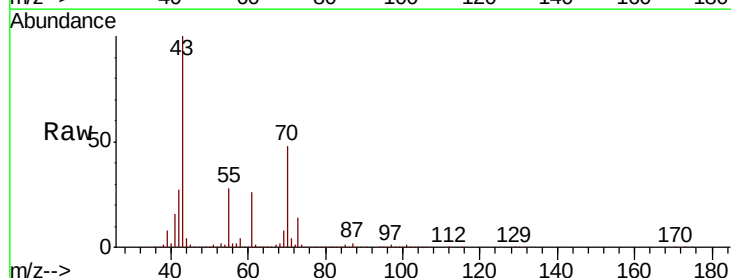
0

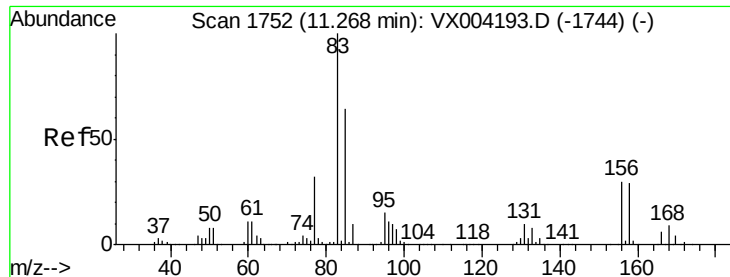
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.75 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

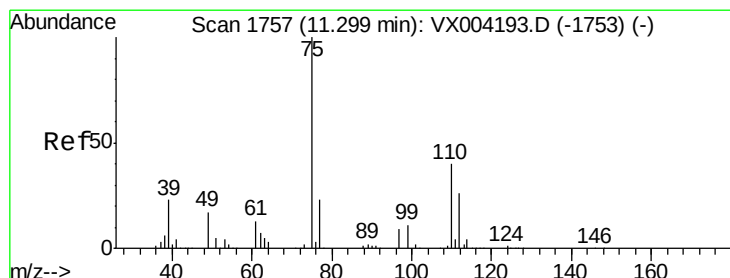
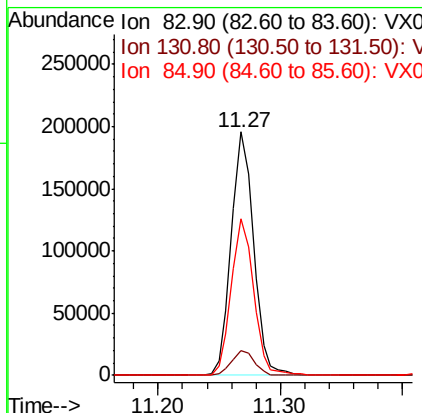
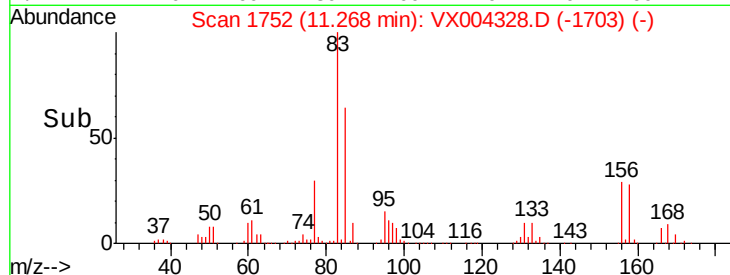
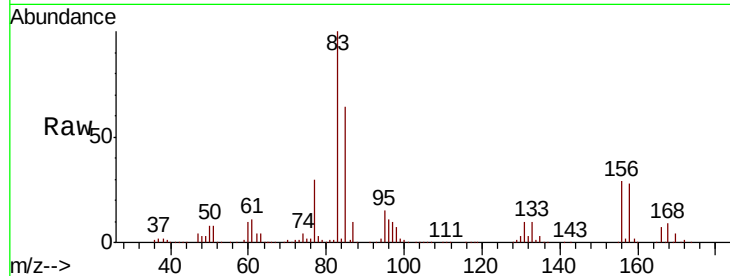
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	247397
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.3	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.37 ug/l m

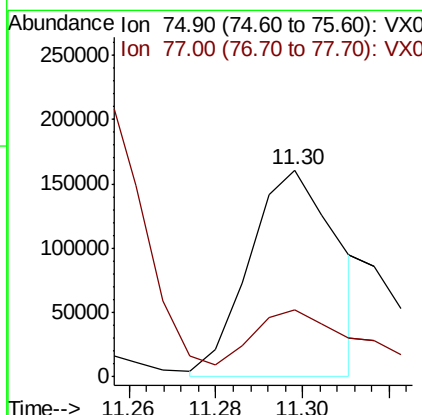
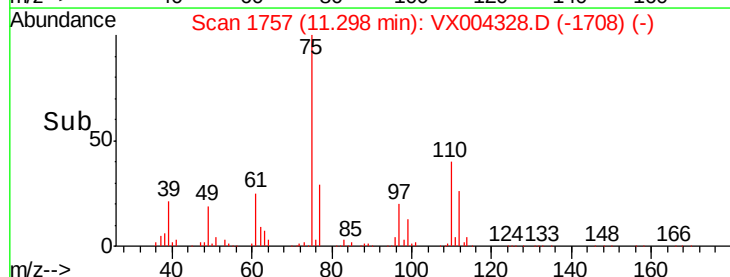
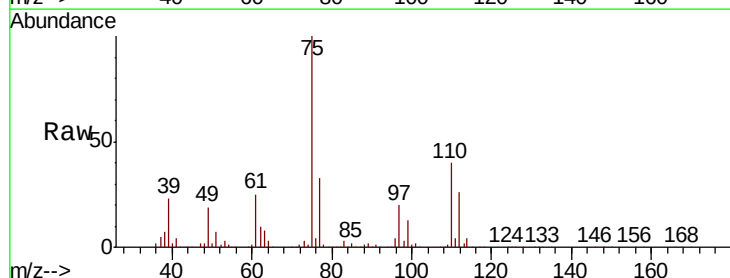
RT: 11.30 min Scan# 1757

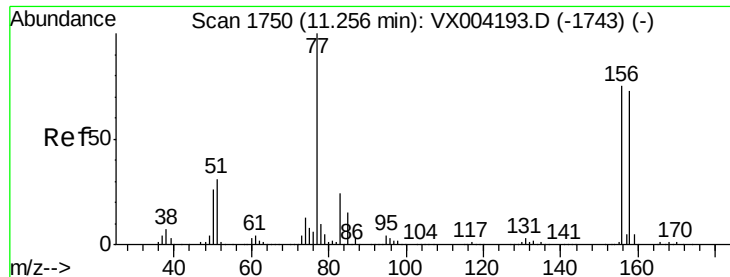
Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Tgt Ion:	75	Resp:	225906
Ion Ratio	Lower	Upper	
75	100		
77	39.8	20.2	60.6





#77

Bromobenzene

Concen: 50.14 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

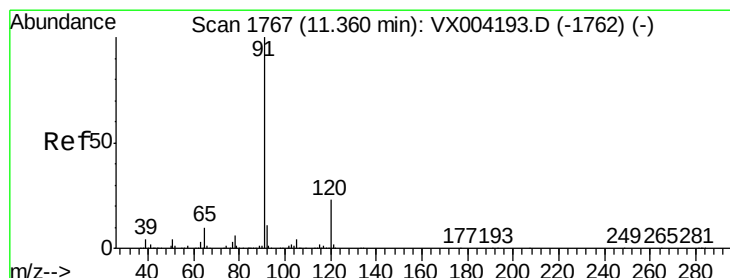
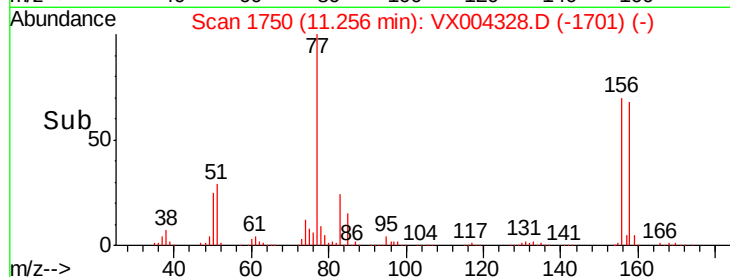
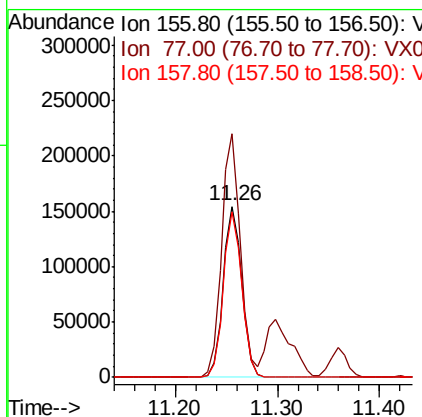
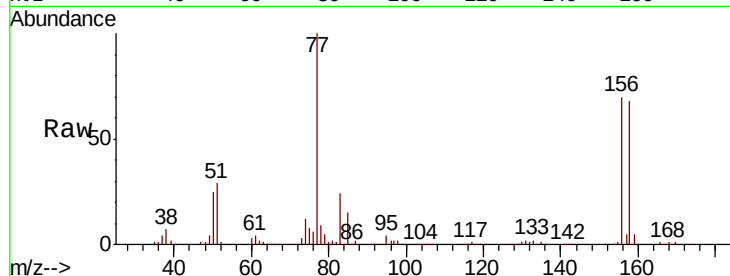
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	195943
Ion Ratio	Lower	Upper	
156	100		
77	143.7	71.5	214.3
158	96.3	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 50.12 ug/l

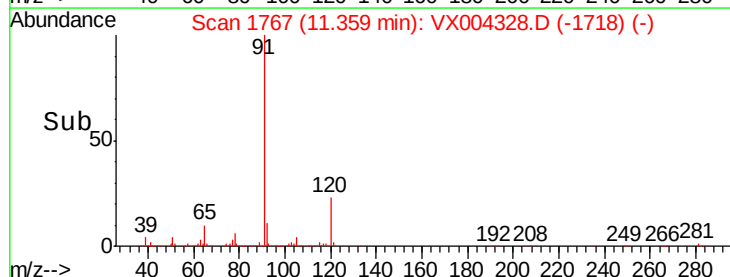
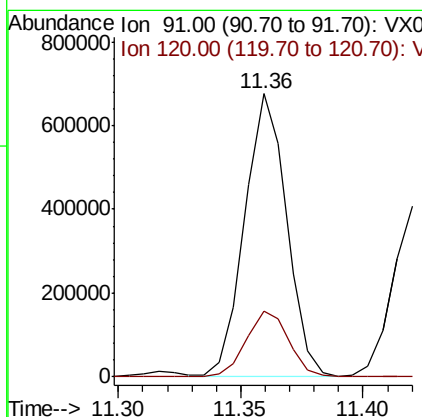
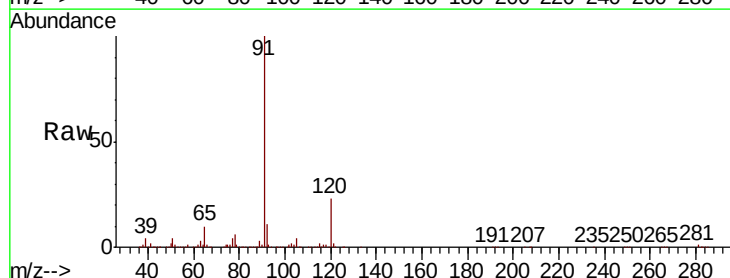
RT: 11.36 min Scan# 1767

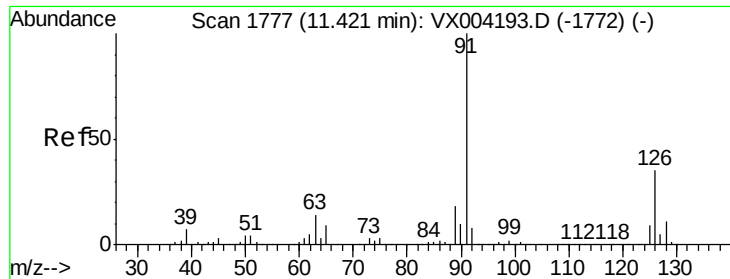
Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Tgt Ion:	91	Resp:	802921
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 49.91 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 492137

Ion Ratio Lower Upper

91 100

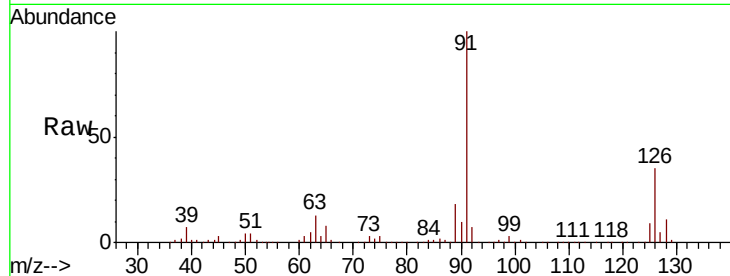
126 35.3 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX004193.D (-1772) (-)

800000

600000

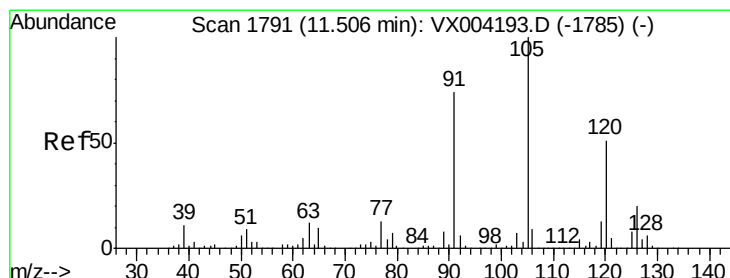
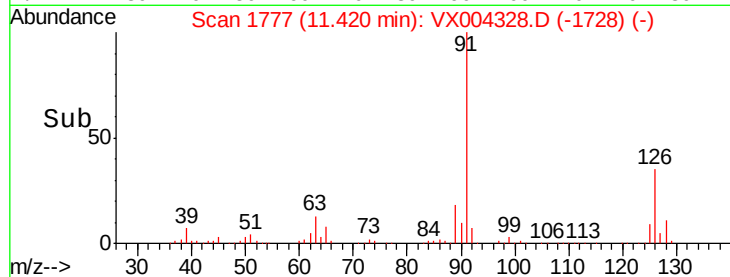
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.30 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004328.D

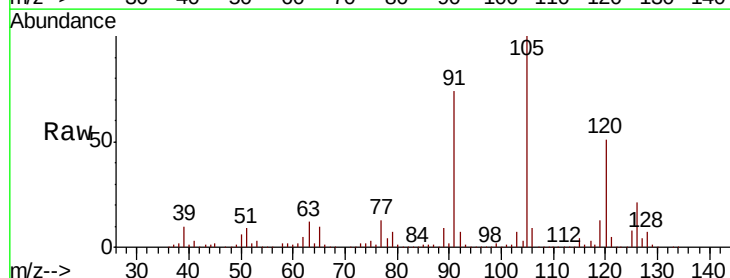
Acq: 31 Aug 2018 15:45

Tgt Ion: 105 Resp: 591754

Ion Ratio Lower Upper

105 100

120 50.1 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004193.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004193.D (-1785) (-)

600000

500000

400000

300000

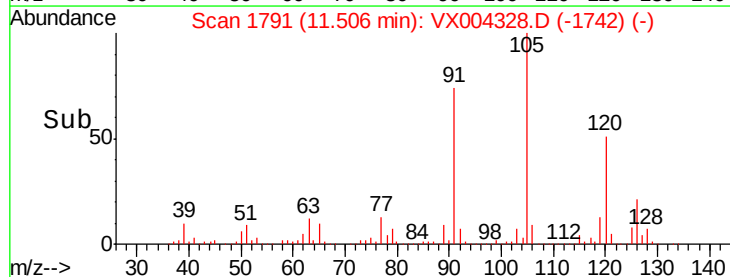
200000

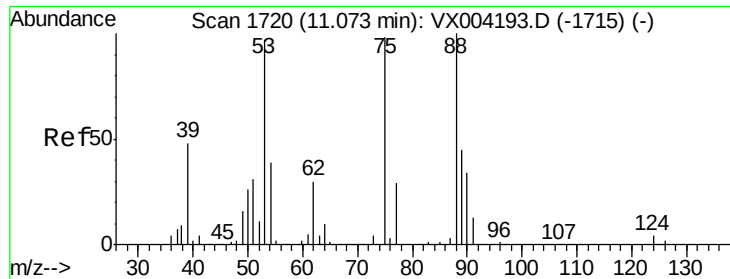
100000

0

11.40 11.50 11.60

Time-->





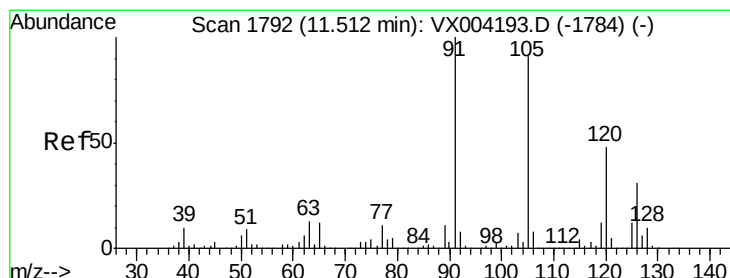
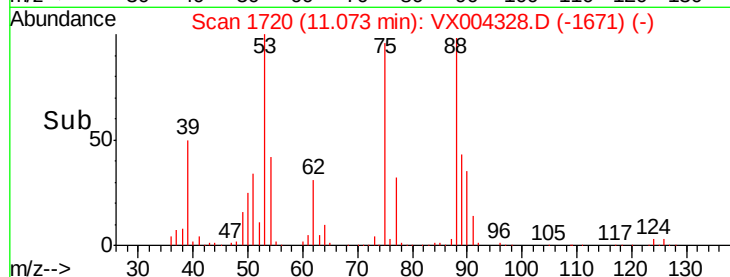
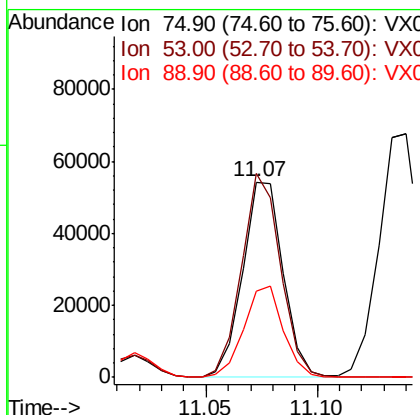
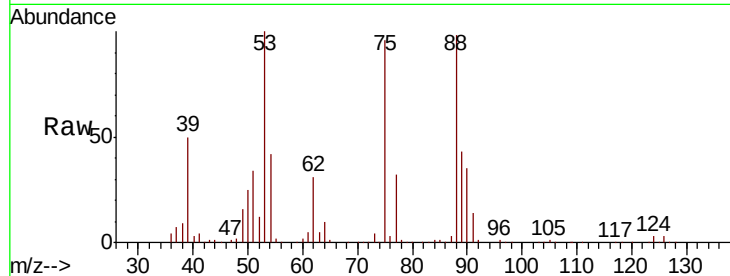
#81
trans-1,4-Dichloro-2-butene
Concen: 51.58 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.7	80.1	120.1
89	45.3	37.2	55.8

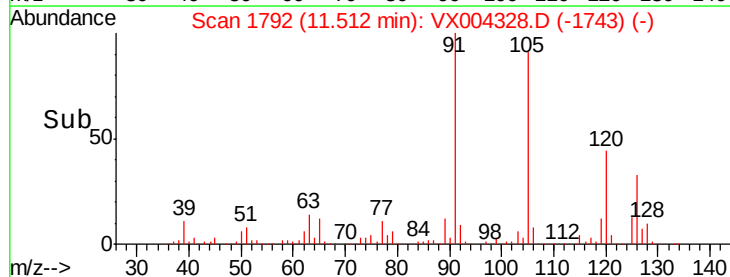
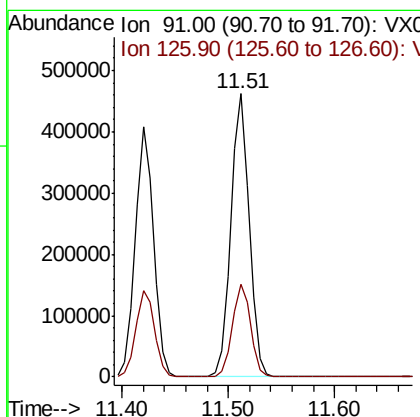
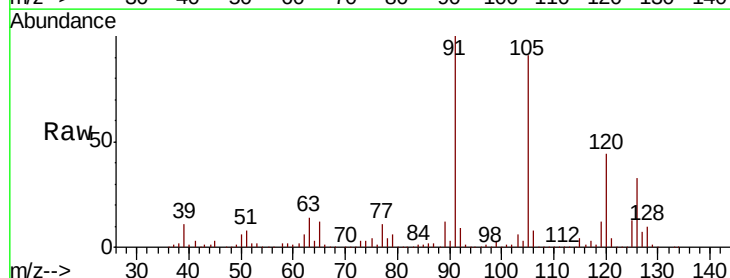
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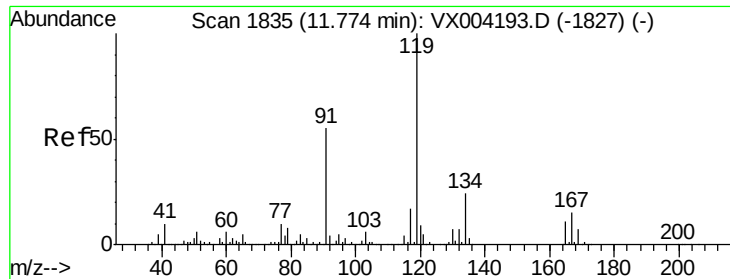
MMDadoda
9/4/2018 12:10:35 PM



#82
4-Chlorotoluene
Concen: 48.21 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.5	46.5





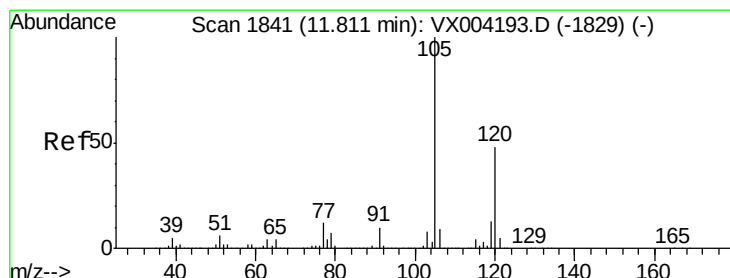
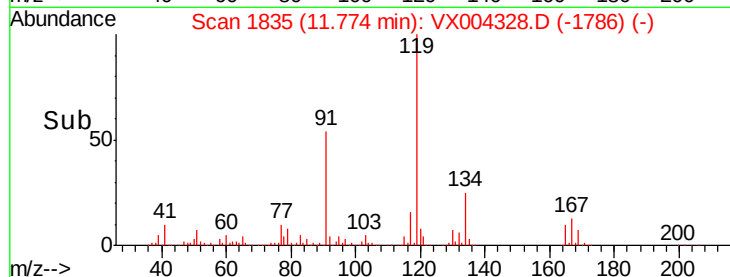
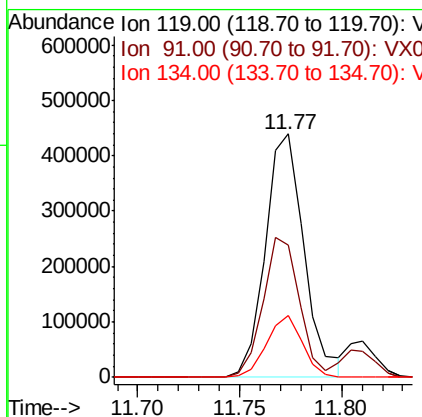
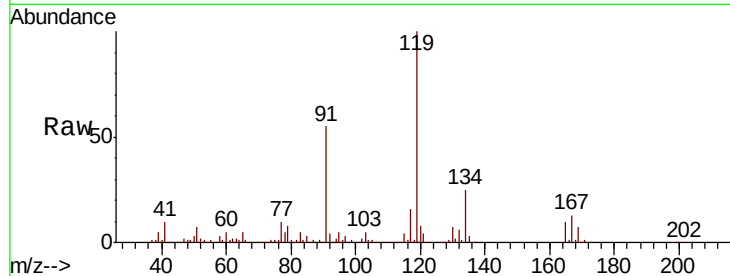
#83
 tert-Butylbenzene
 Concen: 50.11 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		581624		
91	54.2	27.0		81.0	
134	23.7	11.7		35.1	

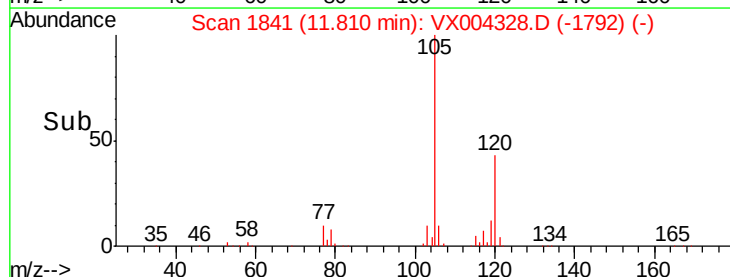
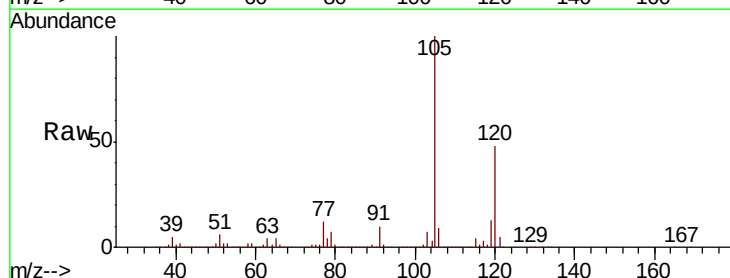
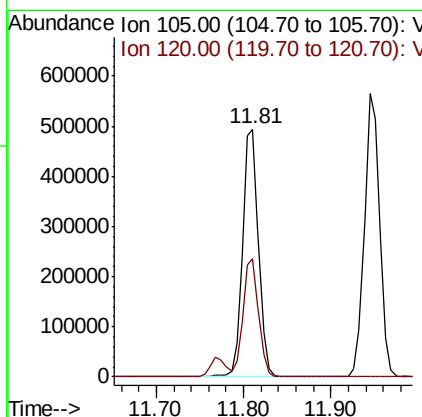
Manual Integrations
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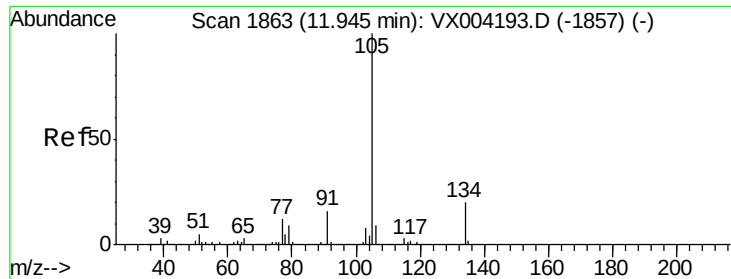
MMDadoda
 9/4/2018 12:10:35 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.93 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		626761		
120	46.6	23.2		69.6	





#85

sec-Butylbenzene

Concen: 49.94 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 688144

Ion Ratio Lower Upper

105 100

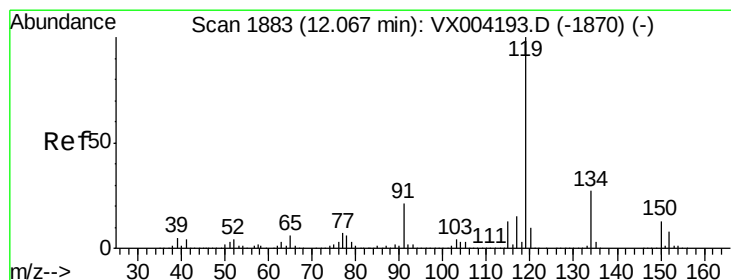
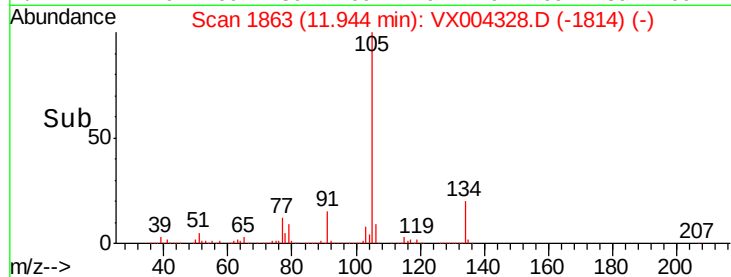
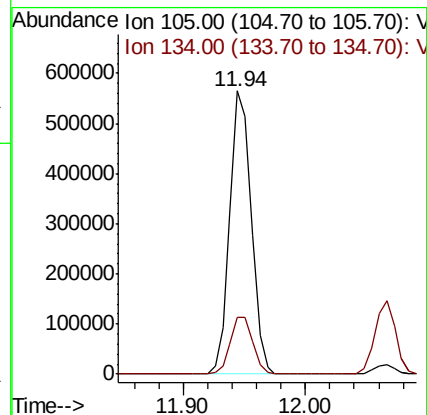
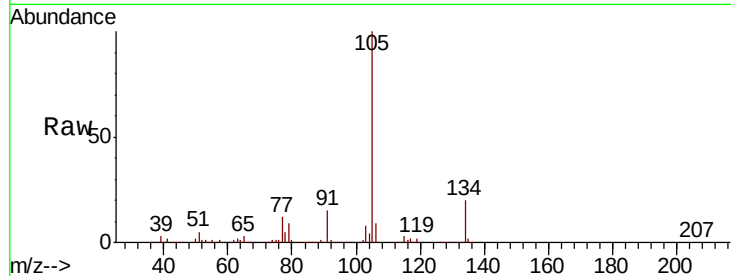
134 21.2 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.60 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004328.D

Acq: 31 Aug 2018 15:45

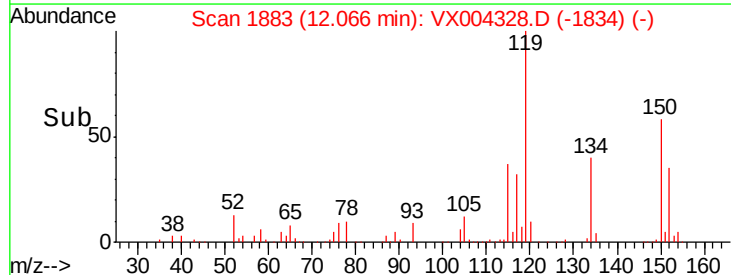
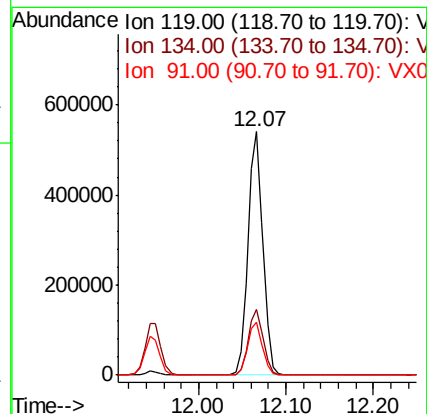
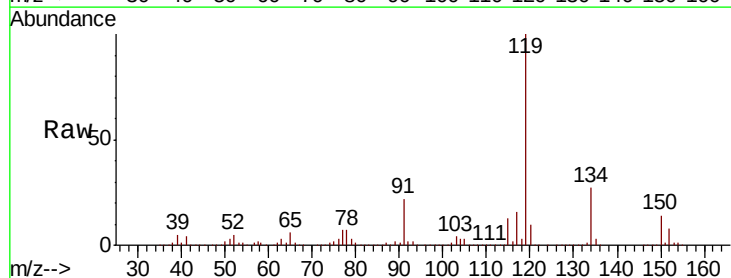
Tgt Ion:119 Resp: 637235

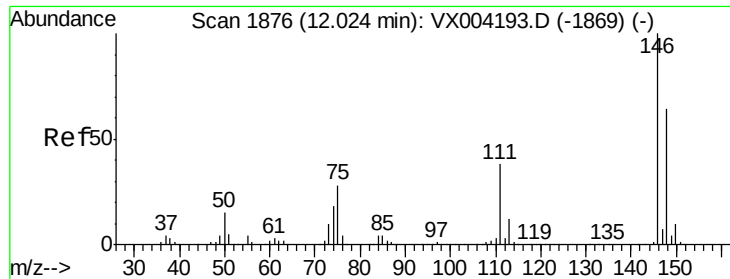
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.0 10.9 32.7





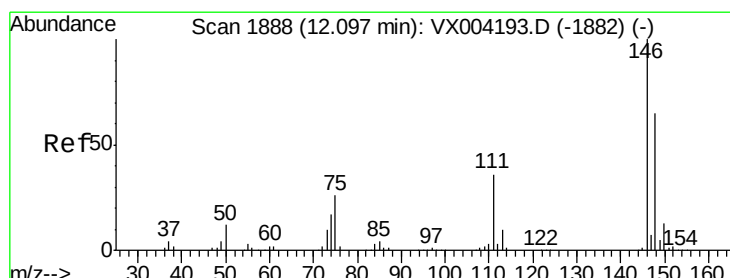
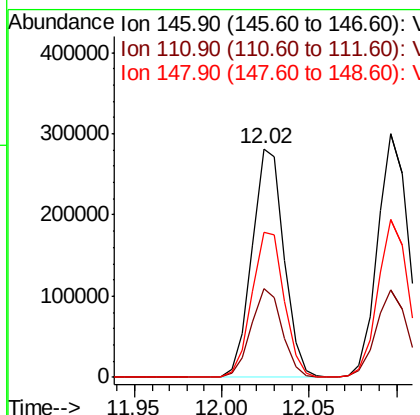
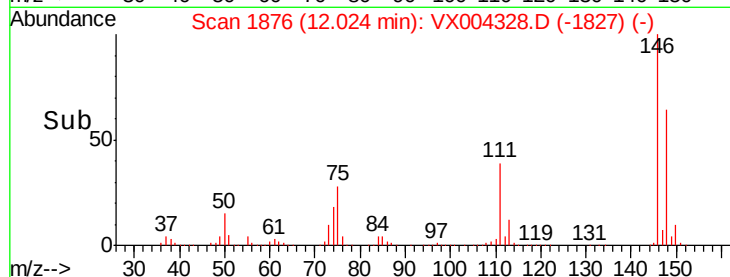
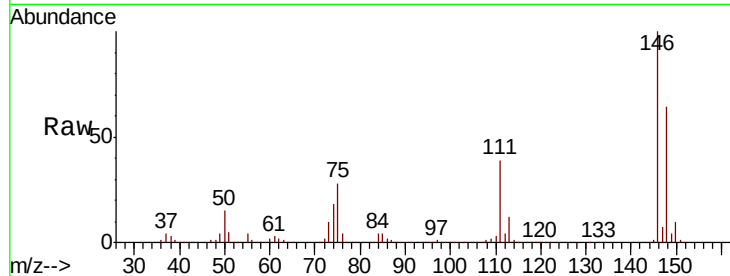
#87
 1,3-Dichlorobenzene
 Concen: 48.64 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	64.3	32.1	96.5

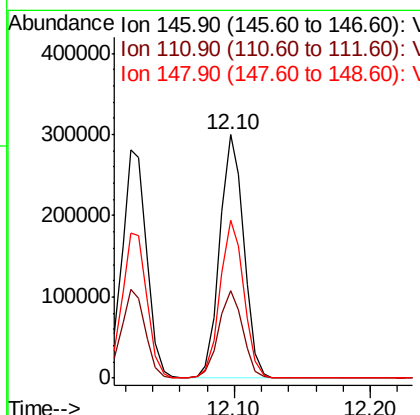
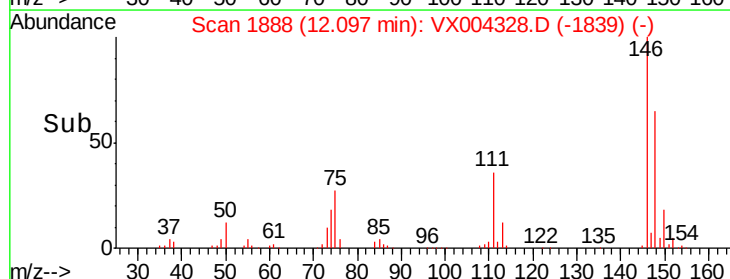
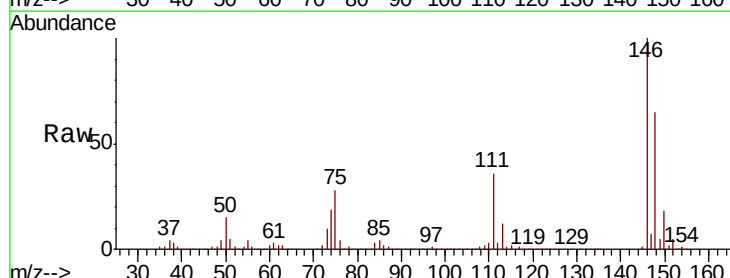
Manual Integrations
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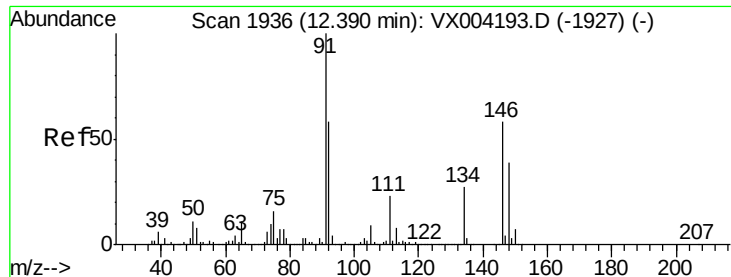
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 47.19 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	64.3	32.0	96.0





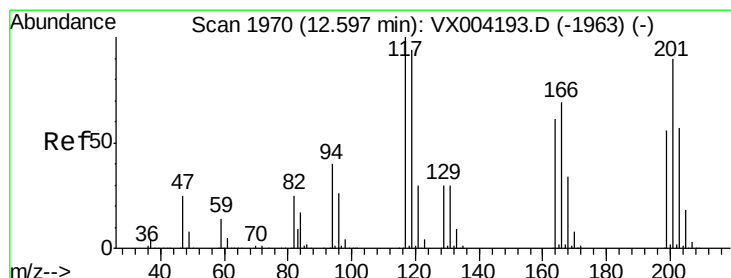
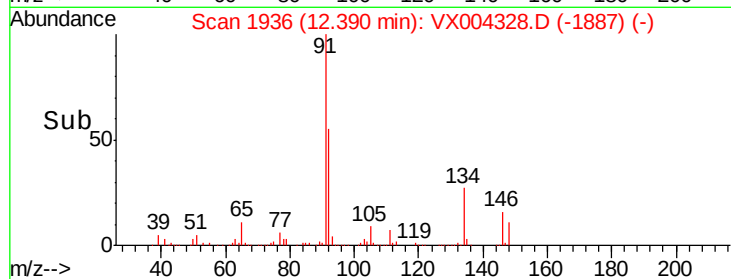
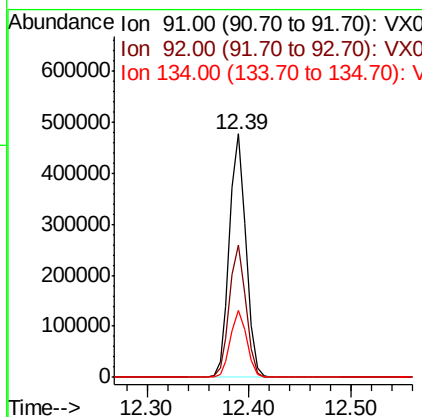
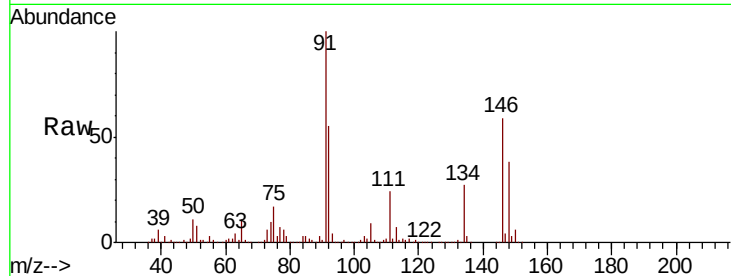
#89
n-Butylbenzene
Concen: 52.89 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.3	81.9
134	27.3	13.6	40.7

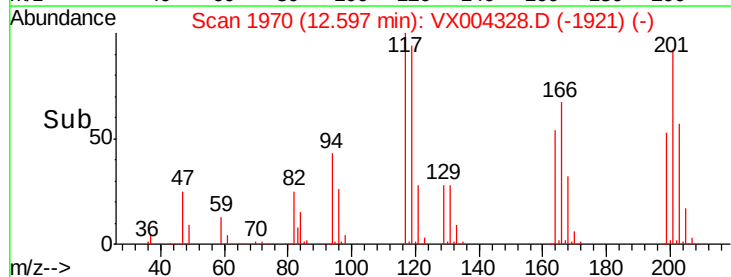
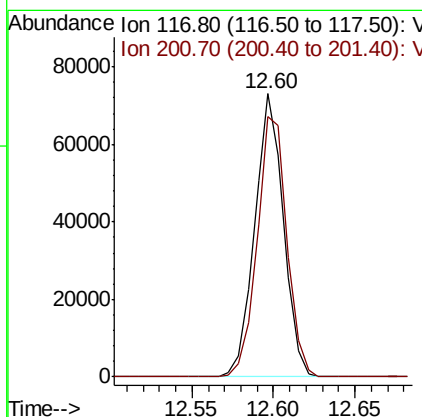
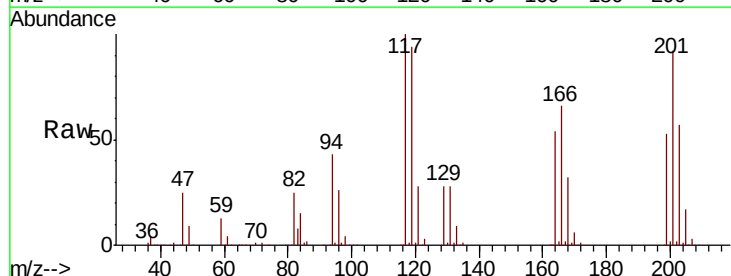
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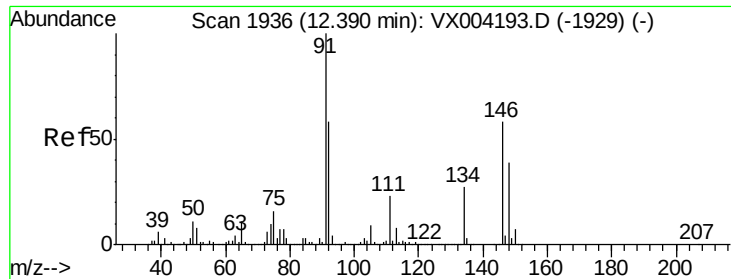
MMDadoda
9/4/2018 12:10:35 PM



#90
Hexachloroethane
Concen: 51.69 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.0	46.9	140.6





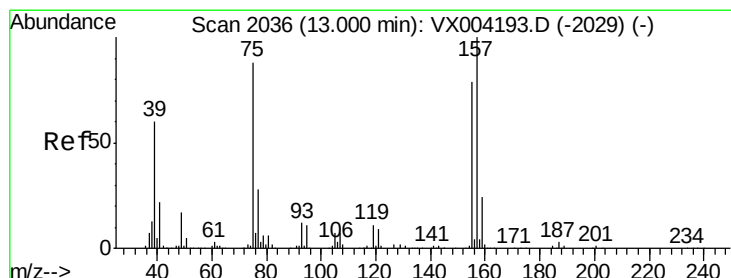
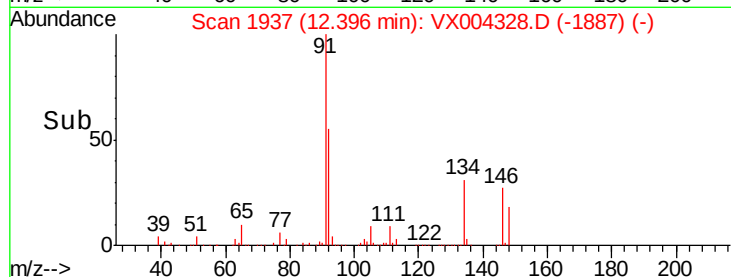
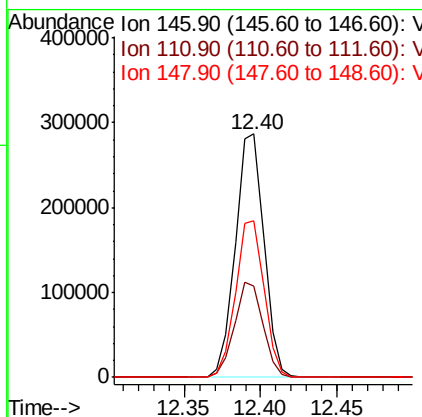
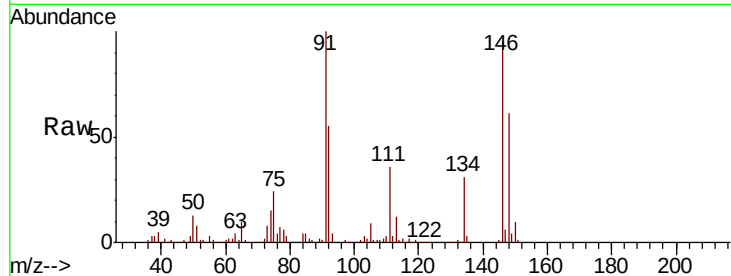
#91
 1,2-Dichlorobenzene
 Concen: 55.21 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	371210		
111	38.9	19.4	58.1	
148	64.3	32.8	98.3	

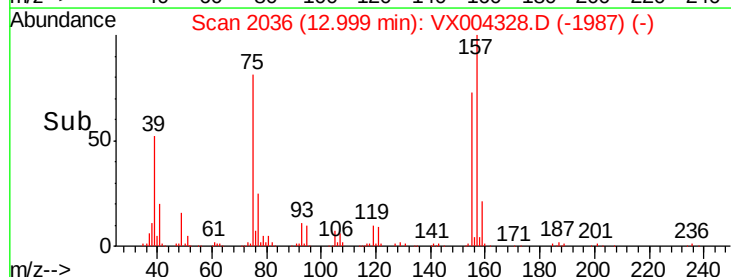
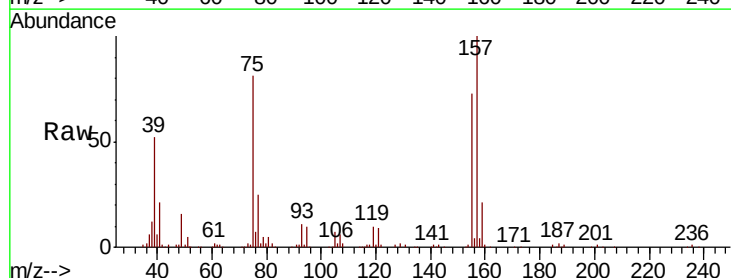
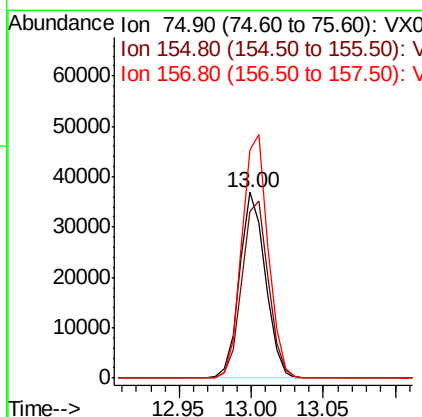
Manual Integrations
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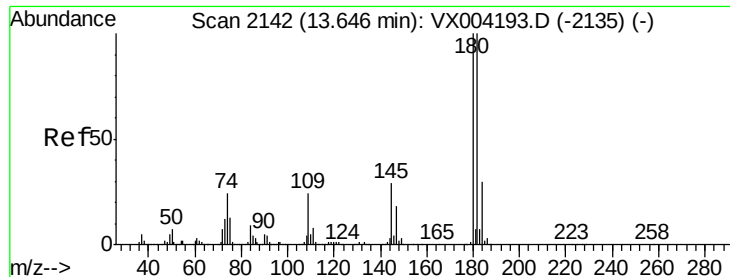
MMDadoda
 9/4/2018 12:10:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.28 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	45751		
155	97.8	48.0	144.2	
157	133.2	61.4	184.1	





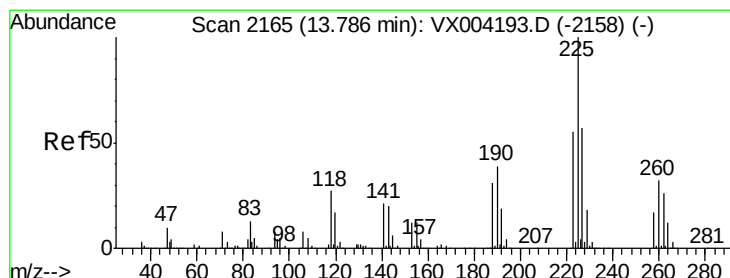
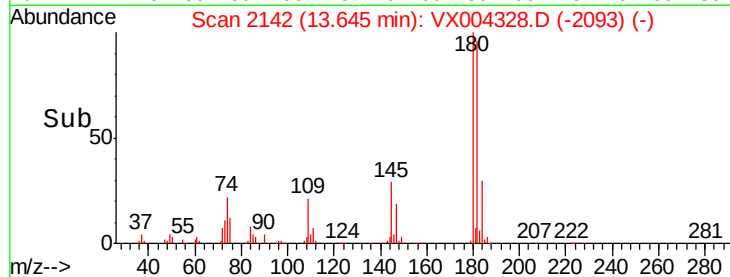
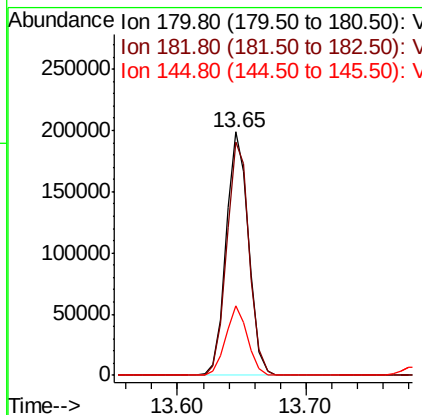
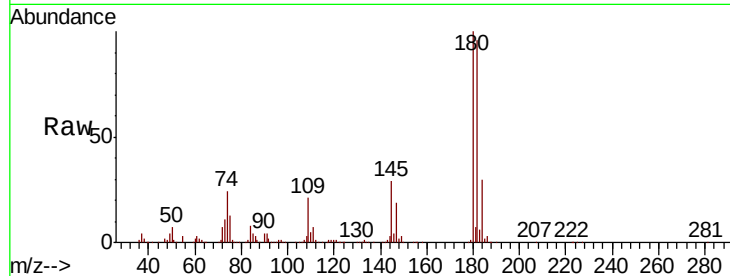
#93
 1,2,4-Trichlorobenzene
 Concen: 49.72 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	243235
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.4	145.0
145	27.7	14.3	42.9

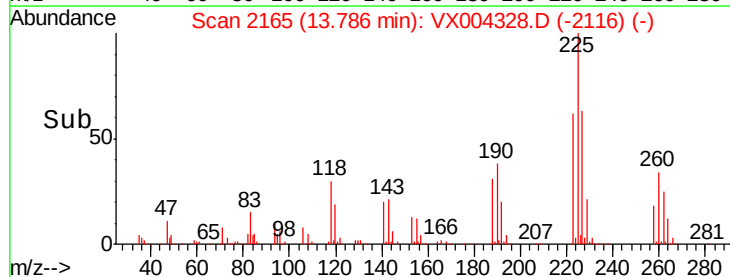
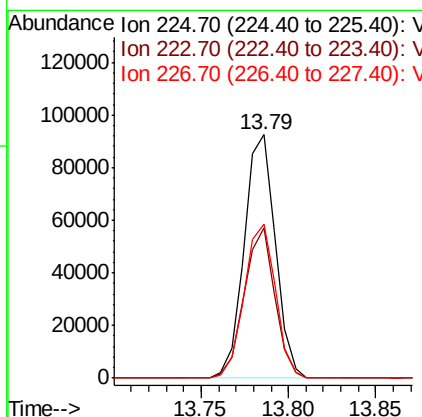
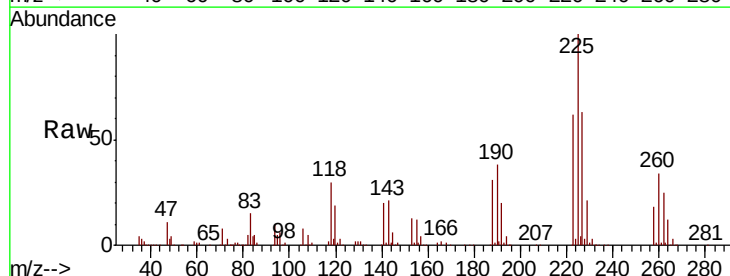
Manual Integrations
 APPROVED

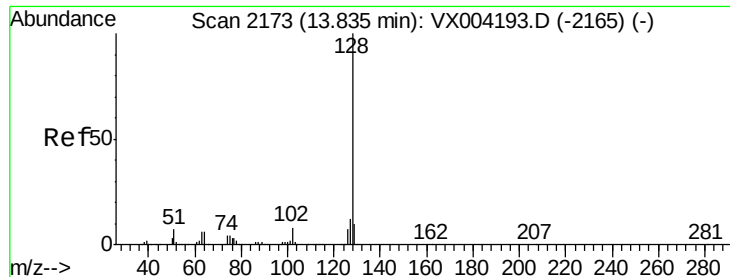
MMDadoda
 9/4/2018 12:10:35 PM



#94
 Hexachlorobutadiene
 Concen: 50.20 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004328.D
 Acq: 31 Aug 2018 15:45

Tgt Ion:	225	Resp:	114259
Ion Ratio	Lower	Upper	
225	100		
223	60.5	30.1	90.5
227	63.7	30.8	92.4





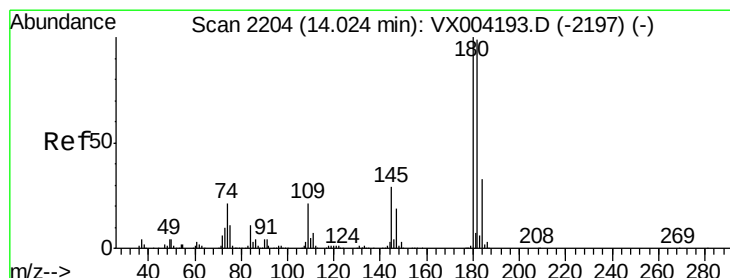
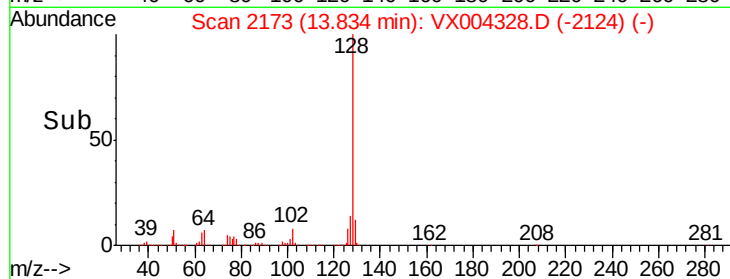
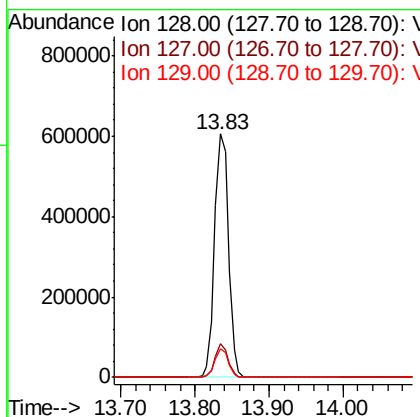
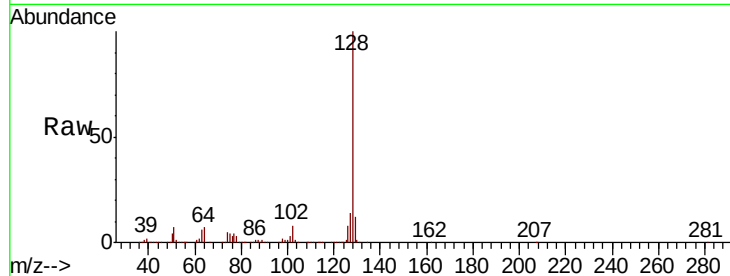
#95
Naphthalene
Concen: 56.01 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:10:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.54 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004328.D
Acq: 31 Aug 2018 15:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.5	145.6
145	29.9	14.9	44.9

